



Kenneth J. Smott

March 24, 2015

By Certified Mail

U.S. Environmental Protection Agency, Region 5
Syed Quadri, Remedial Project Manager Superfund Division (SR-6J)
77 W. Jackson Blvd, Chicago, Illinois 60604-3590

Re: Special Notice Letter for the Lusher Street Groundwater Contamination Site,
Operable Unit 1 Interim Remedy, Elkhart, Elkhart County, Indiana

Dear Mr. Quadri:

This is a response to the Special Notice Letter, dated February 2, 2015, for the Lusher Street Groundwater Contamination Site (the "Site").

The Special Notice Letter was separately addressed and sent to Atlas Die, LLC and Atlas Chem-Milling. Please be advised that Atlas Chem-Milling is not a separate legal entity, but operates as a division of Atlas Die, LLC. Therefore, this response covers both Atlas Die, LLC and its division, Atlas Chem-Milling (collectively, "Atlas Die").

The Special Notice Letter asserts that Atlas Die has contributed to releases of hazardous substances at the Site. With all due respect, that is simply not the case. To the contrary, the soil and groundwater testing performed by the EPA, together with the split samples collected by Atlas Die, have not shown any source of contamination attributable to Atlas Die.

As you know, back in 2009 EPA sought permission from Atlas Die to conduct soil and groundwater sampling at its 1627 West Lusher Avenue property. Atlas Die fully cooperated and promptly granted property access. The sampling was conducted by the EPA's consultant, Weston, over the two day period October 13-14, 2009. A total of nine soil and seven groundwater samples were collected. Atlas Die's consultant, GaiaTech, collected split samples from each of the samples collected by Weston. The Weston and GaiaTech samples were analyzed by separate CLP laboratories, TestAmerica and Mitkem, respectively. A data package showing GaiaTech's split sampling results, along with a sample location map and summary table, is included as Attachment 1 to this response letter.

2000 Middlebury Street • Elkhart, IN 46516
800-828-5271 • Fax. 574-522-4215
www.atlasdie.com

Neither set of laboratory analytical results shows any source of contamination attributable to the Atlas Die property. The GaiaTech soil sample results were uniformly non-detect for all contaminant constituents. The Weston soil results were all either non-detect or an estimated value below the laboratory quantitation limit.

With respect to groundwater, the sample results for both Weston and GaiaTech were all below the federal drinking water MCLs, with a single exception: TCE in an upgradient Weston sample (GW04) was measured at 5.1 ug/L compared to the MCL of 5.0 ug/L. GaiaTech's split sample was measured at 2.9 ug/L, which is substantially below the MCL. Regardless of whether one or the other of the two laboratory results is the correct one, or whether the concentration is somewhere in between, the only source potentially indicated by the upgradient location would be an off-site source, especially since the downgradient TCE results are all significantly lower.

In its March, 2010, Preliminary Investigation Report, Weston states that because the concentration of 1,1,1-TCA in a downgradient groundwater sample is higher compared to an up-gradient groundwater sample, there "may be" a source at the Atlas Die property. In particular Weston compares the results for GW04, at 3.5 ug/L, with those for MW01, at 7.2 ug/L. However, these results do not support any inference of an Atlas Die source, for several reasons. First, given the unit of measurement, which is equivalent to parts per billion, the difference between 3.5 and 7.2 is not significant. Second, GaiaTech's split sample result for MW01 was 4.0 ug/L, and there is, statistically, virtually no difference between 3.5 and 4.0 parts per billion. Third, all of these results are almost two orders of magnitude below the MCL for 1,1,1-TCA, which is 200 ug/L. Fourth, in the section of the report dealing with the groundwater samples (section 4.4.2), Weston specifically states that MW01 is considered to be a side-gradient location rather than a down-gradient one. GaiaTech has also determined MW01 to be a side-gradient location. Thus there is no upgradient versus downgradient comparison. For all these reasons it is clear that the 1,1,1-TCA data is not indicative of a source attributable to Atlas Die. Even Weston, as the EPA's consultant, did not say anything stronger than that there "may be" a source.

Based on its careful review of the documents in the EPA's file, Atlas Die's consultant RPS GaiaTech has concluded, in its professional opinion, that Atlas Die, and in particular its facility at 1627 W. Lusher Avenue in Elkhart, is not a source of hazardous substance contamination at the Site. In addition, RPS GaiaTech has determined that other companies in the vicinity, some of which are located upgradient of Atlas Die, do appear to have contributed to releases of hazardous substances at the Site. RPS GaiaTech's March 11, 2015, letter report setting out these findings and signed by a Professional Engineer is included as Attachment 2 to this response letter.

It is Atlas Die's longstanding policy to cooperate with the EPA. Our company takes pride in being a good corporate citizen and doing the right thing. However, in this case the sampling data clearly show that Atlas Die has not contributed to the contamination at the Site. Neither

the Weston nor the GaiaTech soil and groundwater sampling results indicate any source of hazardous substances attributable to Atlas Die. At the same time, the EPA's file shows other companies in the vicinity which appear to be actual contaminant sources. On this basis, Atlas Die must decline your demand that it reimburse EPA for past costs and agree to conduct and/or pay for future Site remedial activities.

Atlas Die requests that this response, together with all attachments, be made part of the administrative record in this proceeding.

Sincerely,

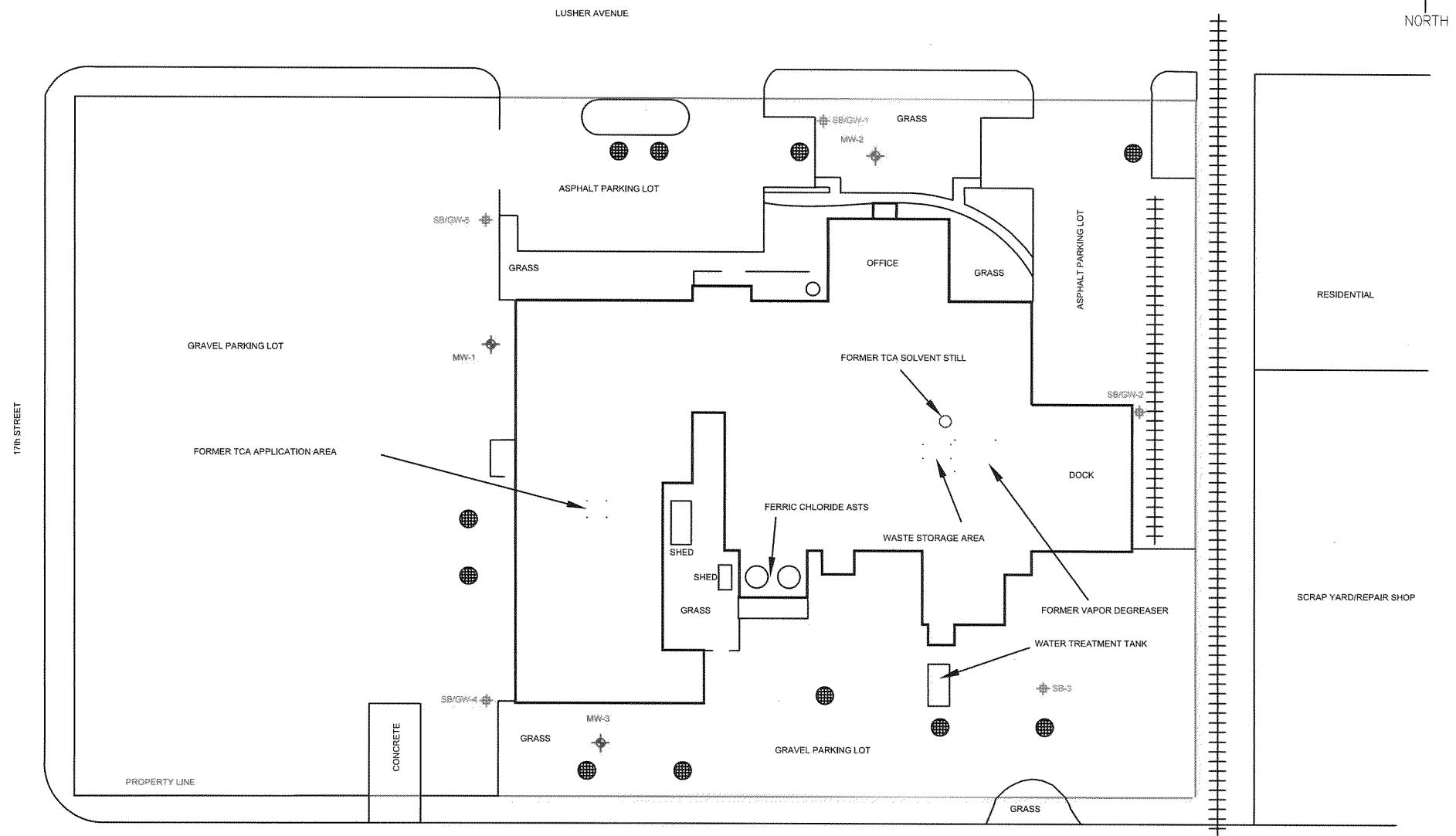


Kenneth J. Smott
Atlas Die, LLC

Attachments

ATTACHMENT 1

**Sample Location Map, Summarized Split
Sampling Data Table and Analytical Laboratory
Data Package**



LEGEND

- MANHOLE (STORM DRAINS)
- ◆ SAMPLING LOCATION

FIELDHOUSE AVENUE
APPROX. SCALE IN FEET
0 60 120

DESCRIPTION:
ATLAS CHEM-MILLING
1627 LUSHER AVENUE
ELKHART, IN

DRAWN:
RJ
CHECK:
DATE:
10/09

FIGURE:
SITE PLAN WITH USEPA
SAMPLING LOCATIONS
FILE:
7284-70-0

CLIENT: GRAPHIC
SCALE: GRAPHIC

Gaiatech

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
OCTOBER 2009

Atlas Chem Milling
 1627 West Lusher Avenue
 Elkhart, Indiana

Sample #	RISC Default Closure Tables			GW-1	MW-2	GW-5	MW-1	GW-2	MW-3	GW-4		
	MCL	Industrial	Default Closure Level	Downgradient		Side-Gradient Samples				Upgradient Samples		
				GaiaTech	GaiaTech	GaiaTech	Weston	GaiaTech	Weston	GaiaTech	Weston	GaiaTech
USEPA CLP SOM1.2 Trace VOC Analysis				mg/l			mg/L					
Chloromethane	NL	NL	NL	0.0002 J	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Chloroform	0.08	1	1	< 0.0005	< 0.0005	0.0031	0.0032	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
1,1,1-trichloroethane	0.20	29	29	< 0.0005	< 0.0005	0.0019	0.0033	0.004	0.0072	< 0.0005	0.0016	0.00048J 0.00026 J 0.0035
Benzene	0.005	0.052	0.052	0.0002 J	< 0.0005	< 0.0005	< 0.0005	0.00025 J	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Trichloroethene	0.005	0.031	0.031	< 0.0005	< 0.0005	0.0011	0.0018	0.0022	0.0039	< 0.0005	0.00077	0.0016 0.0029 0.0051
Bromodichloromethane	0.08	0.046	0.08	< 0.0005	< 0.0005	0.00061	0.00042 J	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Toluene	1	8.2	8.2	0.00031 J	< 0.0005	< 0.0005	< 0.0005	0.00044 J	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Tetrachloroethene	0.005	0.055	0.055	< 0.0005	< 0.0005	< 0.0005	0.0004 J	0.00067	0.00079	0.0013	< 0.0005	0.00036 J 0.00061
Bromoform	0.08	0.36	0.36	< 0.0005	0.00038 J	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005

Notes:

Samples analyzed at Mitkem Laboratories in Warwick RI. Only detected VOCs are listed.

RISC Technical Guide - January 31, 2006 Appendix 1 (Revised May 1, 2009) Industrial Closure Levels

RISC : Risk Integrated System of Cleanup

VOCs : Volatile Organic Compounds

NL : Not Listed

J - Indicates and estimated value below laboratory quantitation limit

NA : Not Applicable or Not Analyzed

MCL : Maximum Contaminant Level (as reported in IDEM RISC Guidance)

mg/l : milligrams per liter (approximately equal to parts per million [ppm])



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

October 27, 2009

GaiaTech, Inc.
200 North Lasalle Street
Suite 2600
Chicago, IL 60601
Attn: Mr. Dave Lewis

RE: Client Project: SOM VOA Analyses – Atlas
Lab Work Order #: H2011

Dear Mr. Lewis:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

A handwritten signature in black ink that reads "Agnes R. Huntley". The signature is fluid and cursive, with "Agnes R." on top and "Huntley" below it.

Agnes R. Huntley
CLP Project Manager

Analytical Data Package for GaiaTech, Inc.

Client Project: SOM VOA Analyses, Atlas

SDG# SH2011

Mitkem Project ID: H2011

October 27, 2009

Prepared For: GaiaTech, Inc.
 200 North Lasalle Street
 Suite 2600
 Chicago, IL 60601
 Attn: Mr. Dave Lewis

Prepared By: Mitkem Laboratories
 175 Metro Center Boulevard
 Warwick, RI 02886
 (401) 732-3400

0001

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to GaiaTech, Inc.'s SOM VOA Analyses project. Under this deliverable, analysis results are presented for eight aqueous and nine soil samples that were received on October 14 and 15, 2009. Analyses were performed per specifications in the project's contract and the chain of custody forms. The Mitkem Work Order is included for cross-referencing client sample ID with laboratory sample ID.

The analyses were performed using EPA Contract Laboratory Program SOM01.2 Statement of Work.

The following observation and/or deviations are observed for the following analyses:

1. Trace Volatile Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

cis-1,3-Dichloropropene-d4 was detected in method blanks and in samples. The volatile organic deuterated monitoring compound spike solution contains both the cis- and trans-1,3-dichloropropene isomers. cis-1,3-Dichloropropene-d4 is not a dueterated monitoring compound for SOM01.2, while the trans isomer is. The cis isomer is considered a laboratory artifact, and is not reported as a tentatively identified compound.

DMC recovery: recoveries for deuterated monitoring compounds were within the QC limits with the exception of high recovery of 1,1-dichloroethene-d2 in sample MW-1, GW-1, GW-2, MW-2, TRIP BLANK, GW-5MS and GW-5MSD.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample GW-5. Spike recoveries and replicate RPDs were within the advisory QC limits.

Sample analysis: no other unusual observation was made for the analysis.

2. Low/Medium Volatile Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

0002

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

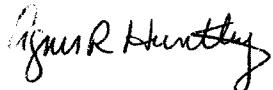
cis-1,3-Dichloropropene-d4 was detected in method blanks and in samples. The volatile organic deuterated monitoring compound spike solution contains both the cis- and trans-1,3-dichloropropene isomers. cis-1,3-Dichloropropene-d4 is not a dueterated monitoring compound for SOM01.2, while the trans isomer is. The cis isomer is considered a laboratory artifact, and is not reported as a tentatively identified compound.

DMC recovery: recoveries for deuterated monitoring compounds were within the QC limits.

Sample analysis: the soil samples for low/medium VOA analysis were received in Encore samplers. The samples were logged in, labeled and transferred to the VOA lab. Once in the VOA lab, the samples were extruded from the Encore samplers into VOA vials and then frozen until time of analysis. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.



Agnes Huntley
CLP Project Manager
10/27/09

0003

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: MW-1
Lab ID: H2011-10

Project: SOM VOA Analyses
Collection Date: 10/13/09 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
Dichlorodifluoromethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Chloromethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Vinyl chloride	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Bromomethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Chloroethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Trichlorofluoromethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
1,1-Dichloroethene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Acetone	ND		5.0	µg/L		1 10/15/2009 1:34	46766
Carbon disulfide	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Methyl acetate	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Methylene chloride	ND		0.50	µg/L		1 10/15/2009 1:34	46766
trans-1,2-Dichloroethene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Methyl tert-butyl ether	ND		0.50	µg/L		1 10/15/2009 1:34	46766
1,1-Dichloroethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
cis-1,2-Dichloroethene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
2-Butanone	ND		5.0	µg/L		1 10/15/2009 1:34	46766
Bromochloromethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Chloroform	3.2		0.50	µg/L		1 10/15/2009 1:34	46766
1,1,1-Trichloroethane	4.0		0.50	µg/L		1 10/15/2009 1:34	46766
Cyclohexane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Carbon tetrachloride	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Benzene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
1,2-Dichloroethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Trichloroethene	2.2		0.50	µg/L		1 10/15/2009 1:34	46766
Methylcyclohexane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
1,2-Dichloropropane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Bromodichloromethane	0.42 J		0.50	µg/L		1 10/15/2009 1:34	46766
cis-1,3-Dichloropropene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
4-Methyl-2-pentanone	ND		5.0	µg/L		1 10/15/2009 1:34	46766
Toluene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
trans-1,3-Dichloropropene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
1,1,2-Trichloroethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Tetrachloroethene	0.40 J		0.50	µg/L		1 10/15/2009 1:34	46766
2-Hexanone	ND		5.0	µg/L		1 10/15/2009 1:34	46766
Dibromochloromethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
1,2-Dibromoethane	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Chlorobenzene	ND		0.50	µg/L		1 10/15/2009 1:34	46766
Ethylbenzene	ND		0.50	µg/L		1 10/15/2009 1:34	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0004

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: MW-1
Lab ID: H2011-10

Project: SOM VOA Analyses
Collection Date: 10/13/09 10:00

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
m,p-Xylene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
o-Xylene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
Styrene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
Bromoform	ND		0.50 µg/L	1	10/15/2009 1:34	46766
Isopropylbenzene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
1,1,2,2-Tetrachloroethane	ND		0.50 µg/L	1	10/15/2009 1:34	46766
1,3-Dichlorobenzene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
1,4-Dichlorobenzene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
1,2-Dichlorobenzene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
1,2-Dibromo-3-chloropropane	ND		0.50 µg/L	1	10/15/2009 1:34	46766
1,2,4-Trichlorobenzene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
1,2,3-Trichlorobenzene	ND		0.50 µg/L	1	10/15/2009 1:34	46766
Surrogate: Vinyl chloride-d3	97.0		65-131 %REC	1	10/15/2009 1:34	46766
Surrogate: Chloroethane-d5	107		71-131 %REC	1	10/15/2009 1:34	46766
Surrogate: 1,1-Dichloroethene-d2	112 S		55-104 %REC	1	10/15/2009 1:34	46766
Surrogate: 2-Butanone-d5	95.8		49-155 %REC	1	10/15/2009 1:34	46766
Surrogate: Chloroform-d	95.8		78-121 %REC	1	10/15/2009 1:34	46766
Surrogate: 1,2-Dichloroethane-d4	93.6		78-129 %REC	1	10/15/2009 1:34	46766
Surrogate: Benzene-d6	98.4		77-124 %REC	1	10/15/2009 1:34	46766
Surrogate: 1,2-Dichloropropane-d6	95.0		79-124 %REC	1	10/15/2009 1:34	46766
Surrogate: Toluene-d8	95.0		77-121 %REC	1	10/15/2009 1:34	46766
Surrogate: trans-1,3-Dichloropropene-d4	91.5		73-121 %REC	1	10/15/2009 1:34	46766
Surrogate: 2-Hexanone-d5	95.1		28-135 %REC	1	10/15/2009 1:34	46766
Surrogate: 1,1,2,2-Tetrachloroethane-d2	98.1		73-125 %REC	1	10/15/2009 1:34	46766
Surrogate: 1,2-Dichlorobenzene-d4	89.9		80-131 %REC	1	10/15/2009 1:34	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0005

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-1
Lab ID: H2011-11

Project: SOM VOA Analyses
Collection Date: 10/13/09 10:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
Dichlorodifluoromethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Chloromethane	0.20	J	0.50	µg/L	1	10/15/2009 2:03	46766
Vinyl chloride	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Bromomethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Chloroethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Trichlorofluoromethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
1,1-Dichloroethene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Acetone	ND		5.0	µg/L	1	10/15/2009 2:03	46766
Carbon disulfide	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Methyl acetate	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Methylene chloride	ND		0.50	µg/L	1	10/15/2009 2:03	46766
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Methyl tert-butyl ether	ND		0.50	µg/L	1	10/15/2009 2:03	46766
1,1-Dichloroethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
2-Butanone	ND		5.0	µg/L	1	10/15/2009 2:03	46766
Bromochloromethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Chloroform	ND		0.50	µg/L	1	10/15/2009 2:03	46766
1,1,1-Trichloroethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Cyclohexane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Carbon tetrachloride	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Benzene	0.20	J	0.50	µg/L	1	10/15/2009 2:03	46766
1,2-Dichloroethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Trichloroethene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Methylcyclohexane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
1,2-Dichloropropane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Bromodichloromethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
cis-1,3-Dichloropropene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
4-Methyl-2-pentanone	ND		5.0	µg/L	1	10/15/2009 2:03	46766
Toluene	0.31	J	0.50	µg/L	1	10/15/2009 2:03	46766
trans-1,3-Dichloropropene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
1,1,2-Trichloroethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Tetrachloroethene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
2-Hexanone	ND		5.0	µg/L	1	10/15/2009 2:03	46766
Dibromochloromethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
1,2-Dibromoethane	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Chlorobenzene	ND		0.50	µg/L	1	10/15/2009 2:03	46766
Ethylbenzene	ND		0.50	µg/L	1	10/15/2009 2:03	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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0006

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-1
Lab ID: H2011-11

Project: SOM VOA Analyses
Collection Date: 10/13/09 10:30

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
m,p-Xylene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
o-Xylene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
Styrene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
Bromoform	ND		0.50 µg/L	1	10/15/2009 2:03	46766
Isopropylbenzene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
1,1,2,2-Tetrachloroethane	ND		0.50 µg/L	1	10/15/2009 2:03	46766
1,3-Dichlorobenzene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
1,4-Dichlorobenzene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
1,2-Dichlorobenzene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
1,2-Dibromo-3-chloropropane	ND		0.50 µg/L	1	10/15/2009 2:03	46766
1,2,4-Trichlorobenzene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
1,2,3-Trichlorobenzene	ND		0.50 µg/L	1	10/15/2009 2:03	46766
Surrogate: Vinyl chloride-d3	92.7		65-131 %REC	1	10/15/2009 2:03	46766
Surrogate: Chloroethane-d5	108		71-131 %REC	1	10/15/2009 2:03	46766
Surrogate: 1,1-Dichloroethene-d2	106 S		55-104 %REC	1	10/15/2009 2:03	46766
Surrogate: 2-Butanone-d5	95.6		49-155 %REC	1	10/15/2009 2:03	46766
Surrogate: Chloroform-d	92.4		78-121 %REC	1	10/15/2009 2:03	46766
Surrogate: 1,2-Dichloroethane-d4	95.0		78-129 %REC	1	10/15/2009 2:03	46766
Surrogate: Benzene-d6	99.6		77-124 %REC	1	10/15/2009 2:03	46766
Surrogate: 1,2-Dichloropropane-d6	96.9		79-124 %REC	1	10/15/2009 2:03	46766
Surrogate: Toluene-d8	98.9		77-121 %REC	1	10/15/2009 2:03	46766
Surrogate: trans-1,3-Dichloropropene-d4	88.2		73-121 %REC	1	10/15/2009 2:03	46766
Surrogate: 2-Hexanone-d5	93.8		28-135 %REC	1	10/15/2009 2:03	46766
Surrogate: 1,1,2,2-Tetrachloroethane-d2	96.9		73-125 %REC	1	10/15/2009 2:03	46766
Surrogate: 1,2-Dichlorobenzene-d4	94.6		80-131 %REC	1	10/15/2009 2:03	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0007

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-2
Lab ID: H2011-12

Project: SOM VOA Analyses
Collection Date: 10/13/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
Dichlorodifluoromethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Chloromethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Vinyl chloride	ND		0.50	µg/L		110/15/2009 2:32	46766
Bromomethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Chloroethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Trichlorofluoromethane	ND		0.50	µg/L		110/15/2009 2:32	46766
1,1-Dichloroethene	ND		0.50	µg/L		110/15/2009 2:32	46766
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Acetone	ND		5.0	µg/L		110/15/2009 2:32	46766
Carbon disulfide	ND		0.50	µg/L		110/15/2009 2:32	46766
Methyl acetate	ND		0.50	µg/L		110/15/2009 2:32	46766
Methylene chloride	ND		0.50	µg/L		110/15/2009 2:32	46766
trans-1,2-Dichloroethene	ND		0.50	µg/L		110/15/2009 2:32	46766
Methyl tert-butyl ether	ND		0.50	µg/L		110/15/2009 2:32	46766
1,1-Dichloroethane	ND		0.50	µg/L		110/15/2009 2:32	46766
cis-1,2-Dichloroethene	ND		0.50	µg/L		110/15/2009 2:32	46766
2-Butanone	ND		5.0	µg/L		110/15/2009 2:32	46766
Bromochloromethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Chloroform	ND		0.50	µg/L		110/15/2009 2:32	46766
1,1,1-Trichloroethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Cyclohexane	ND		0.50	µg/L		110/15/2009 2:32	46766
Carbon tetrachloride	ND		0.50	µg/L		110/15/2009 2:32	46766
Benzene	0.25 J		0.50	µg/L		110/15/2009 2:32	46766
1,2-Dichloroethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Trichloroethene	ND		0.50	µg/L		110/15/2009 2:32	46766
Methylcyclohexane	ND		0.50	µg/L		110/15/2009 2:32	46766
1,2-Dichloropropane	ND		0.50	µg/L		110/15/2009 2:32	46766
Bromodichloromethane	ND		0.50	µg/L		110/15/2009 2:32	46766
cis-1,3-Dichloropropene	ND		0.50	µg/L		110/15/2009 2:32	46766
4-Methyl-2-pentanone	ND		5.0	µg/L		110/15/2009 2:32	46766
Toluene	0.44 J		0.50	µg/L		110/15/2009 2:32	46766
trans-1,3-Dichloropropene	ND		0.50	µg/L		110/15/2009 2:32	46766
1,1,2-Trichloroethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Tetrachloroethene	0.79		0.50	µg/L		110/15/2009 2:32	46766
2-Hexanone	ND		5.0	µg/L		110/15/2009 2:32	46766
Dibromochloromethane	ND		0.50	µg/L		110/15/2009 2:32	46766
1,2-Dibromoethane	ND		0.50	µg/L		110/15/2009 2:32	46766
Chlorobenzene	ND		0.50	µg/L		110/15/2009 2:32	46766
Ethylbenzene	ND		0.50	µg/L		110/15/2009 2:32	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0000

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-2
Lab ID: H2011-12

Project: SOM VOA Analyses
Collection Date: 10/13/09 11:30

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
m,p-Xylene	ND		0.50 µg/L		110/15/2009 2:32	46766
o-Xylene	ND		0.50 µg/L		110/15/2009 2:32	46766
Styrene	ND		0.50 µg/L		110/15/2009 2:32	46766
Bromoform	ND		0.50 µg/L		110/15/2009 2:32	46766
Isopropylbenzene	ND		0.50 µg/L		110/15/2009 2:32	46766
1,1,2,2-Tetrachloroethane	ND		0.50 µg/L		110/15/2009 2:32	46766
1,3-Dichlorobenzene	ND		0.50 µg/L		110/15/2009 2:32	46766
1,4-Dichlorobenzene	ND		0.50 µg/L		110/15/2009 2:32	46766
1,2-Dichlorobenzene	ND		0.50 µg/L		110/15/2009 2:32	46766
1,2-Dibromo-3-chloropropane	ND		0.50 µg/L		110/15/2009 2:32	46766
1,2,4-Trichlorobenzene	ND		0.50 µg/L		110/15/2009 2:32	46766
1,2,3-Trichlorobenzene	ND		0.50 µg/L		110/15/2009 2:32	46766
Surrogate: Vinyl chloride-d3	92.6		65-131 %REC		110/15/2009 2:32	46766
Surrogate: Chloroethane-d5	109		71-131 %REC		110/15/2009 2:32	46766
Surrogate: 1,1-Dichloroethene-d2	105 S		55-104 %REC		110/15/2009 2:32	46766
Surrogate: 2-Butanone-d5	94.9		49-155 %REC		110/15/2009 2:32	46766
Surrogate: Chloroform-d	92.3		78-121 %REC		110/15/2009 2:32	46766
Surrogate: 1,2-Dichloroethane-d4	90.7		78-129 %REC		110/15/2009 2:32	46766
Surrogate: Benzene-d6	98.6		77-124 %REC		110/15/2009 2:32	46766
Surrogate: 1,2-Dichloropropane-d6	95.5		79-124 %REC		110/15/2009 2:32	46766
Surrogate: Toluene-d8	96.0		77-121 %REC		110/15/2009 2:32	46766
Surrogate: trans-1,3-Dichloropropene-d4	85.6		73-121 %REC		110/15/2009 2:32	46766
Surrogate: 2-Hexanone-d5	92.6		28-135 %REC		110/15/2009 2:32	46766
Surrogate: 1,1,2,2-Tetrachloroethane-d2	93.2		73-125 %REC		110/15/2009 2:32	46766
Surrogate: 1,2-Dichlorobenzene-d4	90.1		80-131 %REC		110/15/2009 2:32	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0009

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: MW-2
Lab ID: H2011-13

Project: SOM VOA Analyses
Collection Date: 10/13/09 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
Dichlorodifluoromethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Chloromethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Vinyl chloride	ND		0.50	µg/L		110/15/2009 3:01	46766
Bromomethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Chloroethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Trichlorofluoromethane	ND		0.50	µg/L		110/15/2009 3:01	46766
1,1-Dichloroethene	ND		0.50	µg/L		110/15/2009 3:01	46766
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Acetone	ND		5.0	µg/L		110/15/2009 3:01	46766
Carbon disulfide	ND		0.50	µg/L		110/15/2009 3:01	46766
Methyl acetate	ND		0.50	µg/L		110/15/2009 3:01	46766
Methylene chloride	ND		0.50	µg/L		110/15/2009 3:01	46766
trans-1,2-Dichloroethene	ND		0.50	µg/L		110/15/2009 3:01	46766
Methyl tert-butyl ether	ND		0.50	µg/L		110/15/2009 3:01	46766
1,1-Dichloroethane	ND		0.50	µg/L		110/15/2009 3:01	46766
cis-1,2-Dichloroethene	ND		0.50	µg/L		110/15/2009 3:01	46766
2-Butanone	ND		5.0	µg/L		110/15/2009 3:01	46766
Bromoform	ND		0.50	µg/L		110/15/2009 3:01	46766
1,1,1-Trichloroethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Cyclohexane	ND		0.50	µg/L		110/15/2009 3:01	46766
Carbon tetrachloride	ND		0.50	µg/L		110/15/2009 3:01	46766
Benzene	ND		0.50	µg/L		110/15/2009 3:01	46766
1,2-Dichloroethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Trichloroethene	ND		0.50	µg/L		110/15/2009 3:01	46766
Methylcyclohexane	ND		0.50	µg/L		110/15/2009 3:01	46766
1,2-Dichloropropane	ND		0.50	µg/L		110/15/2009 3:01	46766
Bromodichloromethane	ND		0.50	µg/L		110/15/2009 3:01	46766
cis-1,3-Dichloropropene	ND		0.50	µg/L		110/15/2009 3:01	46766
4-Methyl-2-pentanone	ND		5.0	µg/L		110/15/2009 3:01	46766
Toluene	ND		0.50	µg/L		110/15/2009 3:01	46766
trans-1,3-Dichloropropene	ND		0.50	µg/L		110/15/2009 3:01	46766
1,1,2-Trichloroethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Tetrachloroethene	ND		0.50	µg/L		110/15/2009 3:01	46766
2-Hexanone	ND		5.0	µg/L		110/15/2009 3:01	46766
Dibromoform	ND		0.50	µg/L		110/15/2009 3:01	46766
1,2-Dibromoethane	ND		0.50	µg/L		110/15/2009 3:01	46766
Chlorobenzene	ND		0.50	µg/L		110/15/2009 3:01	46766
Ethylbenzene	ND		0.50	µg/L		110/15/2009 3:01	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0010

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: MW-2
Lab ID: H2011-13

Project: SOM VOA Analyses
Collection Date: 10/13/09 13:30

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
m,p-Xylene	ND		0.50 µg/L		110/15/2009 3:01	46766
o-Xylene	ND		0.50 µg/L		110/15/2009 3:01	46766
Styrene	ND		0.50 µg/L		110/15/2009 3:01	46766
Bromoform	0.38 J		0.50 µg/L		110/15/2009 3:01	46766
Isopropylbenzene	ND		0.50 µg/L		110/15/2009 3:01	46766
1,1,2,2-Tetrachloroethane	ND		0.50 µg/L		110/15/2009 3:01	46766
1,3-Dichlorobenzene	ND		0.50 µg/L		110/15/2009 3:01	46766
1,4-Dichlorobenzene	ND		0.50 µg/L		110/15/2009 3:01	46766
1,2-Dichlorobenzene	ND		0.50 µg/L		110/15/2009 3:01	46766
1,2-Dibromo-3-chloropropane	ND		0.50 µg/L		110/15/2009 3:01	46766
1,2,4-Trichlorobenzene	ND		0.50 µg/L		110/15/2009 3:01	46766
1,2,3-Trichlorobenzene	ND		0.50 µg/L		110/15/2009 3:01	46766
Surrogate: Vinyl chloride-d3	95.4		65-131 %REC		110/15/2009 3:01	46766
Surrogate: Chloroethane-d5	110		71-131 %REC		110/15/2009 3:01	46766
Surrogate: 1,1-Dichloroethene-d2	110 S		55-104 %REC		110/15/2009 3:01	46766
Surrogate: 2-Butanone-d5	93.6		49-155 %REC		110/15/2009 3:01	46766
Surrogate: Chloroform-d	93.4		78-121 %REC		110/15/2009 3:01	46766
Surrogate: 1,2-Dichloroethane-d4	91.5		78-129 %REC		110/15/2009 3:01	46766
Surrogate: Benzene-d6	100		77-124 %REC		110/15/2009 3:01	46766
Surrogate: 1,2-Dichloropropane-d6	94.5		79-124 %REC		110/15/2009 3:01	46766
Surrogate: Toluene-d8	96.6		77-121 %REC		110/15/2009 3:01	46766
Surrogate: trans-1,3-Dichloropropene-d4	85.5		73-121 %REC		110/15/2009 3:01	46766
Surrogate: 2-Hexanone-d5	91.9		28-135 %REC		110/15/2009 3:01	46766
Surrogate: 1,1,2,2-Tetrachloroethane-d2	95.2		73-125 %REC		110/15/2009 3:01	46766
Surrogate: 1,2-Dichlorobenzene-d4	94.7		80-131 %REC		110/15/2009 3:01	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0011

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-4
Lab ID: H2011-14

Project: SOM VOA Analyses
Collection Date: 10/13/09 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
Dichlorodifluoromethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Chloromethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Vinyl chloride	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Bromomethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Chloroethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Trichlorofluoromethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,1-Dichloroethene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Acetone	ND		5.0	µg/L	1	10/15/2009 3:29	46766
Carbon disulfide	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Methyl acetate	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Methylene chloride	ND		0.50	µg/L	1	10/15/2009 3:29	46766
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Methyl tert-butyl ether	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,1-Dichloroethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
2-Butanone	ND		5.0	µg/L	1	10/15/2009 3:29	46766
Bromochloromethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Chloroform	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,1,1-Trichloroethane	0.26 J		0.50	µg/L	1	10/15/2009 3:29	46766
Cyclohexane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Carbon tetrachloride	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Benzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,2-Dichloroethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Trichloroethene	2.9		0.50	µg/L	1	10/15/2009 3:29	46766
Methylcyclohexane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,2-Dichloropropane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Bromodichloromethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
cis-1,3-Dichloropropene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
4-Methyl-2-pentanone	ND		5.0	µg/L	1	10/15/2009 3:29	46766
Toluene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
trans-1,3-Dichloropropene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,1,2-Trichloroethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Tetrachloroethene	0.36 J		0.50	µg/L	1	10/15/2009 3:29	46766
2-Hexanone	ND		5.0	µg/L	1	10/15/2009 3:29	46766
Dibromochloromethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,2-Dibromoethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Chlorobenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Ethylbenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0012

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-4
Lab ID: H2011-14

Project: SOM VOA Analyses
Collection Date: 10/13/09 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
m,p-Xylene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
o-Xylene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Styrene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Bromoform	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Isopropylbenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,3-Dichlorobenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,4-Dichlorobenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,2-Dichlorobenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,2-Dibromo-3-chloropropane	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,2,4-Trichlorobenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
1,2,3-Trichlorobenzene	ND		0.50	µg/L	1	10/15/2009 3:29	46766
Surrogate: Vinyl chloride-d3	92.1		65-131	%REC	1	10/15/2009 3:29	46766
Surrogate: Chloroethane-d5	108		71-131	%REC	1	10/15/2009 3:29	46766
Surrogate: 1,1-Dichloroethene-d2	103		55-104	%REC	1	10/15/2009 3:29	46766
Surrogate: 2-Butanone-d5	94.2		49-155	%REC	1	10/15/2009 3:29	46766
Surrogate: Chloroform-d	96.2		78-121	%REC	1	10/15/2009 3:29	46766
Surrogate: 1,2-Dichloroethane-d4	92.3		78-129	%REC	1	10/15/2009 3:29	46766
Surrogate: Benzene-d6	96.8		77-124	%REC	1	10/15/2009 3:29	46766
Surrogate: 1,2-Dichloropropane-d6	94.8		79-124	%REC	1	10/15/2009 3:29	46766
Surrogate: Toluene-d8	94.9		77-121	%REC	1	10/15/2009 3:29	46766
Surrogate: trans-1,3-Dichloropropene-d4	88.6		73-121	%REC	1	10/15/2009 3:29	46766
Surrogate: 2-Hexanone-d5	91.5		28-135	%REC	1	10/15/2009 3:29	46766
Surrogate: 1,1,2,2-Tetrachloroethane-d2	95.4		73-125	%REC	1	10/15/2009 3:29	46766
Surrogate: 1,2-Dichlorobenzene-d4	94.8		80-131	%REC	1	10/15/2009 3:29	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0013

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-5
Lab ID: H2011-15

Project: SOM VOA Analyses
Collection Date: 10/13/09 16:00

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
Dichlorodifluoromethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Chloromethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Vinyl chloride	ND		0.50 µg/L		110/15/2009 3:58	46766
Bromomethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Chloroethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Trichlorofluoromethane	ND		0.50 µg/L		110/15/2009 3:58	46766
1,1-Dichloroethene	ND		0.50 µg/L		110/15/2009 3:58	46766
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Acetone	ND		5.0 µg/L		110/15/2009 3:58	46766
Carbon disulfide	ND		0.50 µg/L		110/15/2009 3:58	46766
Methyl acetate	ND		0.50 µg/L		110/15/2009 3:58	46766
Methylene chloride	ND		0.50 µg/L		110/15/2009 3:58	46766
trans-1,2-Dichloroethene	ND		0.50 µg/L		110/15/2009 3:58	46766
Methyl tert-butyl ether	ND		0.50 µg/L		110/15/2009 3:58	46766
1,1-Dichloroethane	ND		0.50 µg/L		110/15/2009 3:58	46766
cis-1,2-Dichloroethene	ND		0.50 µg/L		110/15/2009 3:58	46766
2-Butanone	ND		5.0 µg/L		110/15/2009 3:58	46766
Bromochloromethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Chloroform	3.1		0.50 µg/L		110/15/2009 3:58	46766
1,1,1-Trichloroethane	1.9		0.50 µg/L		110/15/2009 3:58	46766
Cyclohexane	ND		0.50 µg/L		110/15/2009 3:58	46766
Carbon tetrachloride	ND		0.50 µg/L		110/15/2009 3:58	46766
Benzene	ND		0.50 µg/L		110/15/2009 3:58	46766
1,2-Dichloroethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Trichloroethene	1.1		0.50 µg/L		110/15/2009 3:58	46766
Methylcyclohexane	ND		0.50 µg/L		110/15/2009 3:58	46766
1,2-Dichloropropane	ND		0.50 µg/L		110/15/2009 3:58	46766
Bromodichloromethane	0.61		0.50 µg/L		110/15/2009 3:58	46766
cis-1,3-Dichloropropene	ND		0.50 µg/L		110/15/2009 3:58	46766
4-Methyl-2-pentanone	ND		5.0 µg/L		110/15/2009 3:58	46766
Toluene	ND		0.50 µg/L		110/15/2009 3:58	46766
trans-1,3-Dichloropropene	ND		0.50 µg/L		110/15/2009 3:58	46766
1,1,2-Trichloroethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Tetrachloroethene	ND		0.50 µg/L		110/15/2009 3:58	46766
2-Hexanone	ND		5.0 µg/L		110/15/2009 3:58	46766
Dibromochloromethane	ND		0.50 µg/L		110/15/2009 3:58	46766
1,2-Dibromoethane	ND		0.50 µg/L		110/15/2009 3:58	46766
Chlorobenzene	ND		0.50 µg/L		110/15/2009 3:58	46766
Ethylbenzene	ND		0.50 µg/L		110/15/2009 3:58	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0014

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: GW-5
Lab ID: H2011-15

Project: SOM VOA Analyses
Collection Date: 10/13/09 16:00

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
m,p-Xylene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
o-Xylene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
Styrene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
Bromoform	ND		0.50 µg/L		1 10/15/2009 3:58	46766
Isopropylbenzene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
1,1,2,2-Tetrachloroethane	ND		0.50 µg/L		1 10/15/2009 3:58	46766
1,3-Dichlorobenzene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
1,4-Dichlorobenzene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
1,2-Dichlorobenzene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
1,2-Dibromo-3-chloropropane	ND		0.50 µg/L		1 10/15/2009 3:58	46766
1,2,4-Trichlorobenzene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
1,2,3-Trichlorobenzene	ND		0.50 µg/L		1 10/15/2009 3:58	46766
Surrogate: Vinyl chloride-d3	95.0		65-131 %REC		1 10/15/2009 3:58	46766
Surrogate: Chloroethane-d5	112		71-131 %REC		1 10/15/2009 3:58	46766
Surrogate: 1,1-Dichloroethene-d2	104		55-104 %REC		1 10/15/2009 3:58	46766
Surrogate: 2-Butanone-d5	91.7		49-155 %REC		1 10/15/2009 3:58	46766
Surrogate: Chloroform-d	97.8		78-121 %REC		1 10/15/2009 3:58	46766
Surrogate: 1,2-Dichloroethane-d4	95.2		78-129 %REC		1 10/15/2009 3:58	46766
Surrogate: Benzene-d6	99.4		77-124 %REC		1 10/15/2009 3:58	46766
Surrogate: 1,2-Dichloropropane-d6	92.8		79-124 %REC		1 10/15/2009 3:58	46766
Surrogate: Toluene-d8	97.8		77-121 %REC		1 10/15/2009 3:58	46766
Surrogate: trans-1,3-Dichloropropene-d4	89.4		73-121 %REC		1 10/15/2009 3:58	46766
Surrogate: 2-Hexanone-d5	92.8		28-135 %REC		1 10/15/2009 3:58	46766
Surrogate: 1,1,2,2-Tetrachloroethane-d2	94.9		73-125 %REC		1 10/15/2009 3:58	46766
Surrogate: 1,2-Dichlorobenzene-d4	94.5		80-131 %REC		1 10/15/2009 3:58	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0015

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: TRIP BLANK
Lab ID: H2011-16

Project: SOM VOA Analyses
Collection Date: 10/13/09 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
Dichlorodifluoromethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Chloromethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Vinyl chloride	ND		0.50	µg/L		110/15/2009 5:54	46766
Bromomethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Chloroethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Trichlorofluoromethane	ND		0.50	µg/L		110/15/2009 5:54	46766
1,1-Dichloroethene	ND		0.50	µg/L		110/15/2009 5:54	46766
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Acetone	ND		5.0	µg/L		110/15/2009 5:54	46766
Carbon disulfide	ND		0.50	µg/L		110/15/2009 5:54	46766
Methyl acetate	ND		0.50	µg/L		110/15/2009 5:54	46766
Methylene chloride	ND		0.50	µg/L		110/15/2009 5:54	46766
trans-1,2-Dichloroethene	ND		0.50	µg/L		110/15/2009 5:54	46766
Methyl tert-butyl ether	ND		0.50	µg/L		110/15/2009 5:54	46766
1,1-Dichloroethane	ND		0.50	µg/L		110/15/2009 5:54	46766
cis-1,2-Dichloroethene	ND		0.50	µg/L		110/15/2009 5:54	46766
2-Butanone	ND		5.0	µg/L		110/15/2009 5:54	46766
Bromochloromethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Chloroform	ND		0.50	µg/L		110/15/2009 5:54	46766
1,1,1-Trichloroethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Cyclohexane	ND		0.50	µg/L		110/15/2009 5:54	46766
Carbon tetrachloride	ND		0.50	µg/L		110/15/2009 5:54	46766
Benzene	ND		0.50	µg/L		110/15/2009 5:54	46766
1,2-Dichloroethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Trichloroethene	ND		0.50	µg/L		110/15/2009 5:54	46766
Methylcyclohexane	ND		0.50	µg/L		110/15/2009 5:54	46766
1,2-Dichloropropane	ND		0.50	µg/L		110/15/2009 5:54	46766
Bromodichloromethane	ND		0.50	µg/L		110/15/2009 5:54	46766
cis-1,3-Dichloropropene	ND		0.50	µg/L		110/15/2009 5:54	46766
4-Methyl-2-pentanone	ND		5.0	µg/L		110/15/2009 5:54	46766
Toluene	ND		0.50	µg/L		110/15/2009 5:54	46766
trans-1,3-Dichloropropene	ND		0.50	µg/L		110/15/2009 5:54	46766
1,1,2-Trichloroethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Tetrachloroethene	ND		0.50	µg/L		110/15/2009 5:54	46766
2-Hexanone	ND		5.0	µg/L		110/15/2009 5:54	46766
Dibromochloromethane	ND		0.50	µg/L		110/15/2009 5:54	46766
1,2-Dibromoethane	ND		0.50	µg/L		110/15/2009 5:54	46766
Chlorobenzene	ND		0.50	µg/L		110/15/2009 5:54	46766
Ethylbenzene	ND		0.50	µg/L		110/15/2009 5:54	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0016

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: TRIP BLANK
Lab ID: H2011-16

Project: SOM VOA Analyses
Collection Date: 10/13/09 0:00

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
m,p-Xylene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
o-Xylene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
Styrene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
Bromoform	ND		0.50 µg/L		1 10/15/2009 5:54	46766
Isopropylbenzene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
1,1,2,2-Tetrachloroethane	ND		0.50 µg/L		1 10/15/2009 5:54	46766
1,3-Dichlorobenzene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
1,4-Dichlorobenzene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
1,2-Dichlorobenzene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
1,2-Dibromo-3-chloropropane	ND		0.50 µg/L		1 10/15/2009 5:54	46766
1,2,4-Trichlorobenzene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
1,2,3-Trichlorobenzene	ND		0.50 µg/L		1 10/15/2009 5:54	46766
Surrogate: Vinyl chloride-d3	98.9		65-131 %REC		1 10/15/2009 5:54	46766
Surrogate: Chloroethane-d5	122		71-131 %REC		1 10/15/2009 5:54	46766
Surrogate: 1,1-Dichloroethene-d2	113 S		55-104 %REC		1 10/15/2009 5:54	46766
Surrogate: 2-Butanone-d5	101		49-155 %REC		1 10/15/2009 5:54	46766
Surrogate: Chloroform-d	99.5		78-121 %REC		1 10/15/2009 5:54	46766
Surrogate: 1,2-Dichloroethane-d4	103		78-129 %REC		1 10/15/2009 5:54	46766
Surrogate: Benzene-d6	104		77-124 %REC		1 10/15/2009 5:54	46766
Surrogate: 1,2-Dichloropropane-d6	104		79-124 %REC		1 10/15/2009 5:54	46766
Surrogate: Toluene-d8	98.3		77-121 %REC		1 10/15/2009 5:54	46766
Surrogate: trans-1,3-Dichloropropene-d4	92.3		73-121 %REC		1 10/15/2009 5:54	46766
Surrogate: 2-Hexanone-d5	106		28-135 %REC		1 10/15/2009 5:54	46766
Surrogate: 1,1,2,2-Tetrachloroethane-d2	104		73-125 %REC		1 10/15/2009 5:54	46766
Surrogate: 1,2-Dichlorobenzene-d4	98.2		80-131 %REC		1 10/15/2009 5:54	46766

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: MW-3
Lab ID: H2011-17

Project: SOM VOA Analyses
Collection Date: 10/14/09 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)							
Dichlorodifluoromethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Chloromethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Vinyl chloride	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Bromomethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Chloroethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Trichlorofluoromethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,1-Dichloroethene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Acetone	ND		5.0	µg/L	1	10/17/2009 8:36	46800
Carbon disulfide	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Methyl acetate	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Methylene chloride	ND		0.50	µg/L	1	10/17/2009 8:36	46800
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Methyl tert-butyl ether	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,1-Dichloroethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
2-Butanone	ND		5.0	µg/L	1	10/17/2009 8:36	46800
Bromochloromethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Chloroform	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,1,1-Trichloroethane	1.6		0.50	µg/L	1	10/17/2009 8:36	46800
Cyclohexane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Carbon tetrachloride	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Benzene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,2-Dichloroethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Trichloroethene	0.77		0.50	µg/L	1	10/17/2009 8:36	46800
Methylcyclohexane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,2-Dichloropropane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Bromodichloromethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
cis-1,3-Dichloropropene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
4-Methyl-2-pentanone	ND		5.0	µg/L	1	10/17/2009 8:36	46800
Toluene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
trans-1,3-Dichloropropene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,1,2-Trichloroethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Tetrachloroethene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
2-Hexanone	ND		5.0	µg/L	1	10/17/2009 8:36	46800
Dibromochloromethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
1,2-Dibromoethane	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Chlorobenzene	ND		0.50	µg/L	1	10/17/2009 8:36	46800
Ethylbenzene	ND		0.50	µg/L	1	10/17/2009 8:36	46800

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0018

Mitkem Laboratories

Date: 26-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: MW-3
Lab ID: H2011-17

Project: SOM VOA Analyses
Collection Date: 10/14/09 12:00

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)						
m,p-Xylene	ND		0.50 µg/L		110/17/2009 8:36	46800
o-Xylene	ND		0.50 µg/L		110/17/2009 8:36	46800
Styrene	ND		0.50 µg/L		110/17/2009 8:36	46800
Bromoform	ND		0.50 µg/L		110/17/2009 8:36	46800
Isopropylbenzene	ND		0.50 µg/L		110/17/2009 8:36	46800
1,1,2,2-Tetrachloroethane	ND		0.50 µg/L		110/17/2009 8:36	46800
1,3-Dichlorobenzene	ND		0.50 µg/L		110/17/2009 8:36	46800
1,4-Dichlorobenzene	ND		0.50 µg/L		110/17/2009 8:36	46800
1,2-Dichlorobenzene	ND		0.50 µg/L		110/17/2009 8:36	46800
1,2-Dibromo-3-chloropropane	ND		0.50 µg/L		110/17/2009 8:36	46800
1,2,4-Trichlorobenzene	ND		0.50 µg/L		110/17/2009 8:36	46800
1,2,3-Trichlorobenzene	ND		0.50 µg/L		110/17/2009 8:36	46800
Surrogate: Vinyl chloride-d3	98.0		65-131 %REC		110/17/2009 8:36	46800
Surrogate: Chloroethane-d5	100		71-131 %REC		110/17/2009 8:36	46800
Surrogate: 1,1-Dichloroethene-d2	100		55-104 %REC		110/17/2009 8:36	46800
Surrogate: 2-Butanone-d5	95.2		49-155 %REC		110/17/2009 8:36	46800
Surrogate: Chloroform-d	90.7		78-121 %REC		110/17/2009 8:36	46800
Surrogate: 1,2-Dichloroethane-d4	82.5		78-129 %REC		110/17/2009 8:36	46800
Surrogate: Benzene-d6	96.2		77-124 %REC		110/17/2009 8:36	46800
Surrogate: 1,2-Dichloropropane-d6	88.9		79-124 %REC		110/17/2009 8:36	46800
Surrogate: Toluene-d8	95.2		77-121 %REC		110/17/2009 8:36	46800
Surrogate: trans-1,3-Dichloropropene-d4	77.1		73-121 %REC		110/17/2009 8:36	46800
Surrogate: 2-Hexanone-d5	88.5		28-135 %REC		110/17/2009 8:36	46800
Surrogate: 1,1,2,2-Tetrachloroethane-d2	96.7		73-125 %REC		110/17/2009 8:36	46800
Surrogate: 1,2-Dichlorobenzene-d4	95.6		80-131 %REC		110/17/2009 8:36	46800

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0019

CLIENT: GaiaTech, Inc.
Work Order: H2011
Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_TRACE_W
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)

Sample ID: MB-46766	SampType: MBLK	TestCode: SOM1.2_VOA_TRACE_W	Prep Date: 10/14/2009	Run ID: V5_091013A	
Client ID: MB-46766	Batch ID: 46766	Units: µg/L	Analysis Date: 10/14/2009	SeqNo: 1134036	
Analyte	Result	PQL	SPK value	SPK Ref Val %REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
Dichlorodifluoromethane	ND	0.50			
Chloromethane	ND	0.50			
Vinyl chloride	ND	0.50			
Bromomethane	ND	0.50			
Chloroethane	ND	0.50			
Trichlorofluoromethane	ND	0.50			
1,1-Dichloroethene	ND	0.50			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50			
Acetone	ND	5.0			
Carbon disulfide	ND	0.50			
Methyl acetate	ND	0.50			
Methylene chloride	ND	0.50			
trans-1,2-Dichloroethene	ND	0.50			
Methyl tert-butyl ether	ND	0.50			
1,1-Dichloroethane	ND	0.50			
cis-1,2-Dichloroethene	ND	0.50			
2-Butanone	ND	5.0			
Bromochloromethane	ND	0.50			
Chloroform	ND	0.50			
1,1,1-Trichloroethane	ND	0.50			
Cyclohexane	ND	0.50			
Carbon tetrachloride	ND	0.50			
Benzene	ND	0.50			
1,2-Dichloroethane	ND	0.50			
Trichloroethene	ND	0.50			
Methylcyclohexane	ND	0.50			
1,2-Dichloropropane	ND	0.50			
Bromodichloromethane	ND	0.50			
cis-1,3-Dichloropropene	ND	0.50			
4-Methyl-2-pentanone	ND	5.0			
Toluene	ND	0.50			
trans-1,3-Dichloropropene	ND	0.50			
1,1,2-Trichloroethane	ND	0.50			
Tetrachloroethene	ND	0.50			
2-Hexanone	ND	5.0			
Dibromochloromethane	ND	0.50			

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

mLIMS-001 J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

CLIENT: GaiaTech, Inc.
Work Order: H2011
Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_TRACE_W
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)

Sample ID: MB-46766	SampType: MBLK	TestCode: SOM1.2_VOA_TRACE_W		Prep Date:	10/14/2009		Run ID: V5_091013A					
Client ID: MB-46766	Batch ID: 46766	Units: µg/L		Analysis Date:	10/14/2009		SeqNo: 1134036					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane		ND	0.50									
Chlorobenzene		ND	0.50									
Ethylbenzene		ND	0.50									
m,p-Xylene		ND	0.50									
o-Xylene		ND	0.50									
Styrene		ND	0.50									
Bromoform		ND	0.50									
Isopropylbenzene		ND	0.50									
1,1,2,2-Tetrachloroethane		ND	0.50									
1,3-Dichlorobenzene		ND	0.50									
1,4-Dichlorobenzene		ND	0.50									
1,2-Dichlorobenzene		ND	0.50									
1,2-Dibromo-3-chloropropane		ND	0.50									
1,2,4-Trichlorobenzene		ND	0.50									
1,2,3-Trichlorobenzene		ND	0.50									
Surrogate: Vinyl chloride-d3		4.635	0.50	5.000	0	92.7	65	131	0			
Surrogate: Chloroethane-d5		5.338	0.50	5.000	0	107	71	131	0			
Surrogate: 1,1-Dichloroethene-d2		5.110	0.50	5.000	0	102	55	104	0			
Surrogate: 2-Butanone-d5		52.80	5.0	50.00	0	106	49	155	0			
Surrogate: Chloroform-d		4.712	0.50	5.000	0	94.2	78	121	0			
Surrogate: 1,2-Dichloroethane-d4		4.885	0.50	5.000	0	97.7	78	129	0			
Surrogate: Benzene-d6		4.779	0.50	5.000	0	95.6	77	124	0			
Surrogate: 1,2-Dichloropropane-d6		4.738	0.50	5.000	0	94.8	79	124	0			
Surrogate: Toluene-d8		4.698	0.50	5.000	0	94.0	77	121	0			
Surrogate: trans-1,3-Dichloropropene-d4		4.934	0.50	5.000	0	98.7	73	121	0			
Surrogate: 2-Hexanone-d5		49.75	5.0	50.00	0	99.5	28	135	0			
Surrogate: 1,1,2,2-Tetrachloroethane-d2		4.967	0.50	5.000	0	99.3	73	125	0			
Surrogate: 1,2-Dichlorobenzene-d4		4.903	0.50	5.000	0	98.1	80	131	0			

Qualifiers: ND - Not Detected at the Reporting Limit
mLiMS-001 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: GaiaTech, Inc.
Work Order: H2011
Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_TRACE_W
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)

Sample ID: MB-46800	SampType: MBLK	TestCode: SOM1.2_VOA_TRACE_W	Prep Date: 10/16/2009	Run ID: V5_091016A	
Client ID: MB-46800	Batch ID: 46800	Units: µg/L	Analysis Date: 10/16/2009	SeqNo: 1135595	
Analyte	Result	PQL	SPK value	SPK Ref Val %REC LowLimit HighLimit	RPD Ref Val %RPD RPD Limit Qual
Dichlorodifluoromethane	ND	0.50			
Chloromethane	ND	0.50			
Vinyl chloride	ND	0.50			
Bromomethane	ND	0.50			
Chloroethane	ND	0.50			
Trichlorofluoromethane	ND	0.50			
1,1-Dichloroethene	ND	0.50			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50			
Acetone	ND	5.0			
Carbon disulfide	ND	0.50			
Methyl acetate	ND	0.50			
Methylene chloride	ND	0.50			
trans-1,2-Dichloroethene	ND	0.50			
Methyl tert-butyl ether	ND	0.50			
1,1-Dichloroethane	ND	0.50			
cis-1,2-Dichloroethene	ND	0.50			
2-Butanone	ND	5.0			
Bromochloromethane	ND	0.50			
Chloroform	ND	0.50			
1,1,1-Trichloroethane	ND	0.50			
Cyclohexane	ND	0.50			
Carbon tetrachloride	ND	0.50			
Benzene	ND	0.50			
1,2-Dichloroethane	ND	0.50			
Trichloroethene	ND	0.50			
Methylcyclohexane	ND	0.50			
1,2-Dichloropropane	ND	0.50			
Bromodichloromethane	ND	0.50			
cis-1,3-Dichloropropene	ND	0.50			
4-Methyl-2-pentanone	ND	5.0			
Toluene	ND	0.50			
trans-1,3-Dichloropropene	ND	0.50			
1,1,2-Trichloroethane	ND	0.50			
Tetrachloroethene	ND	0.50			
2-Hexanone	ND	5.0			
Dibromochloromethane	ND	0.50			
2-Dibromoethane	ND	0.50			

Qualifiers: ND - Not Detected at the Reporting Limit
mLIMS-001 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: GaiaTech, Inc.
Work Order: H2011
Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_TRACE_W
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)

Sample ID: MB-46800	SampType: MBLK	TestCode: SOM1.2_VOA_TRACE_W		Prep Date:	10/16/2009		Run ID: V5_091016A					
Client ID: MB-46800	Batch ID: 46800	Units: µg/L		Analysis Date:	10/16/2009		SeqNo: 1135595					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene		ND	0.50									
Ethylbenzene		ND	0.50									
m,p-Xylene		ND	0.50									
o-Xylene		ND	0.50									
Styrene		ND	0.50									
Bromoform		ND	0.50									
Isopropylbenzene		ND	0.50									
1,1,2,2-Tetrachloroethane		ND	0.50									
1,3-Dichlorobenzene		ND	0.50									
1,4-Dichlorobenzene		ND	0.50									
1,2-Dichlorobenzene		ND	0.50									
1,2-Dibromo-3-chloropropane		ND	0.50									
1,2,4-Trichlorobenzene		ND	0.50									
1,2,3-Trichlorobenzene		ND	0.50									
Surrogate: Vinyl chloride-d3	4.860	0.50	5.000	0	97.2	65	131	0				
Surrogate: Chloroethane-d5	5.029	0.50	5.000	0	101	71	131	0				
Surrogate: 1,1-Dichloroethene-d2	4.445	0.50	5.000	0	88.9	55	104	0				
Surrogate: 2-Butanone-d5	52.59	5.0	50.00	0	105	49	155	0				
Surrogate: Chloroform-d	5.095	0.50	5.000	0	102	78	121	0				
Surrogate: 1,2-Dichloroethane-d4	5.137	0.50	5.000	0	103	78	129	0				
Surrogate: Benzene-d6	5.121	0.50	5.000	0	102	77	124	0				
Surrogate: 1,2-Dichloropropane-d6	4.822	0.50	5.000	0	96.4	79	124	0				
Surrogate: Toluene-d8	5.208	0.50	5.000	0	104	77	121	0				
Surrogate: trans-1,3-Dichloropropene-d4	4.763	0.50	5.000	0	95.3	73	121	0				
Surrogate: 2-Hexanone-d5	50.28	5.0	50.00	0	101	28	135	0				
Surrogate: 1,1,2,2-Tetrachloroethane-d2	5.211	0.50	5.000	0	104	73	125	0				
Surrogate: 1,2-Dichlorobenzene-d4	5.214	0.50	5.000	0	104	80	131	0				

0023

Qualifiers: ND - Not Detected at the Reporting Limit
mLIMS-001 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: GaiaTech, Inc.
Work Order: H2011
Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_TRACE_W
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)

Sample ID: H2011-15AMS	SampType: MS	TestCode: SOM1.2_VOA_TRACE_W		Prep Date: 10/14/2009		Run ID: V5_091013A				
Client ID: GW-5	Batch ID: 46766	Units: µg/L		Analysis Date: 10/15/2009		SeqNo: 1134049				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	Qual
1,1-Dichloroethene	4.172	0.50	5.000	0	83.4	61	145	0		
Benzene	4.630	0.50	5.000	0	92.6	76	127	0		
Trichloroethene	5.608	0.50	5.000	1.133	89.5	71	120	0		
Toluene	4.693	0.50	5.000	0	93.9	76	125	0		
Chlorobenzene	4.859	0.50	5.000	0	97.2	75	130	0		
Surrogate: Vinyl chloride-d3	4.734	0.50	5.000	0	94.7	65	131	0		
Surrogate: Chloroethane-d5	5.255	0.50	5.000	0	105	71	131	0		
Surrogate: 1,1-Dichloroethene-d2	5.355	0.50	5.000	0	107	55	104	0		S
Surrogate: 2-Butanone-d5	46.23	5.0	50.00	0	92.5	49	155	0		
Surrogate: Chloroform-d	4.784	0.50	5.000	0	95.7	78	121	0		
Surrogate: 1,2-Dichloroethane-d4	4.642	0.50	5.000	0	92.8	78	129	0		
Surrogate: Benzene-d6	4.978	0.50	5.000	0	99.6	77	124	0		
Surrogate: 1,2-Dichloropropane-d6	4.649	0.50	5.000	0	93.0	79	124	0		
Surrogate: Toluene-d8	4.786	0.50	5.000	0	95.7	77	121	0		
Surrogate: trans-1,3-Dichloropropene-d4	4.351	0.50	5.000	0	87.0	73	121	0		
Surrogate: 2-Hexanone-d5	45.06	5.0	50.00	0	90.1	28	135	0		
Surrogate: 1,1,2,2-Tetrachloroethane-d2	4.758	0.50	5.000	0	95.2	73	125	0		
Surrogate: 1,2-Dichlorobenzene-d4	4.748	0.50	5.000	0	95.0	80	131	0		

0024

Qualifiers: ND - Not Detected at the Reporting Limit
mLIMS-001 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: GaiaTech, Inc.
Work Order: H2011
Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_TRACE_W
EPA CLP SOM 1.2 VOC TRACE -- SOM 1.2 VOA TRACE (Aqueous)

Sample ID: H2011-15AMSD	SampType: MSD	TestCode: SOM1.2_VOA_TRACE_W		Prep Date: 10/14/2009			Run ID: V5_091013A				
Client ID: GW-5	Batch ID: 46766	Units: µg/L		Analysis Date: 10/15/2009			SeqNo: 1134050				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	4.169	0.50	5.000	0	83.4	61	145	4.172	0.0747	14	
Benzene	4.924	0.50	5.000	0	98.5	76	127	4.630	6.17	11	
Trichloroethene	6.201	0.50	5.000	1.133	101	71	120	5.608	10.1	14	
Toluene	5.180	0.50	5.000	0	104	76	125	4.693	9.86	13	
Chlorobenzene	5.216	0.50	5.000	0	104	75	130	4.859	7.1	13	
Surrogate: Vinyl chloride-d3	4.736	0.50	5.000	0	94.7	65	131	0			
Surrogate: Chloroethane-d5	5.499	0.50	5.000	0	110	71	131	0			
Surrogate: 1,1-Dichloroethene-d2	5.438	0.50	5.000	0	109	55	104	0			S
Surrogate: 2-Butanone-d5	46.36	5.0	50.00	0	92.7	49	155	0			
Surrogate: Chloroform-d	4.798	0.50	5.000	0	96.0	78	121	0			
Surrogate: 1,2-Dichloroethane-d4	4.650	0.50	5.000	0	93.0	78	129	0			
Surrogate: Benzene-d6	5.065	0.50	5.000	0	101	77	124	0			
Surrogate: 1,2-Dichloropropane-d6	4.869	0.50	5.000	0	97.4	79	124	0			
Surrogate: Toluene-d8	4.848	0.50	5.000	0	97.0	77	121	0			
Surrogate: trans-1,3-Dichloropropene-d4	4.475	0.50	5.000	0	89.5	73	121	0			
Surrogate: 2-Hexanone-d5	46.57	5.0	50.00	0	93.1	28	135	0			
Surrogate: 1,1,2,2-Tetrachloroethane-d2	4.755	0.50	5.000	0	95.1	73	125	0			
Surrogate: 1,2-Dichlorobenzene-d4	4.491	0.50	5.000	0	89.8	80	131	0			

0025

Qualifiers: ND - Not Detected at the Reporting Limit
mLIMS-001 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.
Client Sample ID: SB-1A
Lab ID: H2011-01

Project: SOM VOA Analyses
Collection Date: 10/13/09 09:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Dichlorodifluoromethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Chloromethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Vinyl chloride	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Bromomethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Chloroethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Trichlorofluoromethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,1-Dichloroethene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Acetone	ND		10	µg/Kg	1	10/21/2009 14:13	46875
Carbon disulfide	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Methyl acetate	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Methylene chloride	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
trans-1,2-Dichloroethene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Methyl tert-butyl ether	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,1-Dichloroethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
cis-1,2-Dichloroethene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
2-Butanone	ND		10	µg/Kg	1	10/21/2009 14:13	46875
Bromochloromethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Chloroform	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,1,1-Trichloroethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Cyclohexane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Carbon tetrachloride	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Benzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,2-Dichloroethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,4-Dioxane	ND		100	µg/Kg	1	10/21/2009 14:13	46875
Trichloroethene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Methylcyclohexane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,2-Dichloropropane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Bromodichloromethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
cis-1,3-Dichloropropene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
4-Methyl-2-peritanone	ND		10	µg/Kg	1	10/21/2009 14:13	46875
Toluene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
trans-1,3-Dichloropropene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,1,2-Trichloroethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Tetrachloroethene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
2-Hexanone	ND		10	µg/Kg	1	10/21/2009 14:13	46875
Dibromochloromethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,2-Dibromoethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Chlorobenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0026

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-1A

Lab ID: H2011-01

Project: SOM VOA Analyses

Collection Date: 10/13/09 09:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
							SOM1.2_VOA_LOW_S
Ethylbenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
m,p-Xylene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
o-Xylene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Styrene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Bromoform	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Isopropylbenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,1,2,2-Tetrachloroethane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,3-Dichlorobenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,4-Dichlorobenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,2-Dichlorobenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,2-Dibromo-3-chloropropane	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,2,4-Trichlorobenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
1,2,3-Trichlorobenzene	ND		5.0	µg/Kg	1	10/21/2009 14:13	46875
Surrogate: Vinyl chloride-d3	88.5		68-122	%REC	1	10/21/2009 14:13	46875
Surrogate: Chloroethane-d5	92.5		61-130	%REC	1	10/21/2009 14:13	46875
Surrogate: 1,1-Dichloroethene-d2	84.3		45-132	%REC	1	10/21/2009 14:13	46875
Surrogate: 2-Butanone-d5	89.6		20-182	%REC	1	10/21/2009 14:13	46875
Surrogate: Chloroform-d	88.5		72-123	%REC	1	10/21/2009 14:13	46875
Surrogate: 1,2-Dichloroethane-d4	93.6		79-122	%REC	1	10/21/2009 14:13	46875
Surrogate: Benzene-d6	91.9		80-121	%REC	1	10/21/2009 14:13	46875
Surrogate: 1,2-Dichloropropane-d6	80.0		74-124	%REC	1	10/21/2009 14:13	46875
Surrogate: Toluene-d8	90.8		78-121	%REC	1	10/21/2009 14:13	46875
Surrogate: trans-1,3-Dichloropropene-d4	91.4		72-130	%REC	1	10/21/2009 14:13	46875
Surrogate: 2-Hexanone-d5	91.1		17-184	%REC	1	10/21/2009 14:13	46875
Surrogate: 1,4-Dioxane-d8	93.9		50-150	%REC	1	10/21/2009 14:13	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	96.5		56-161	%REC	1	10/21/2009 14:13	46875
Surrogate: 1,2-Dichlorobenzene-d4	89.3		70-131	%REC	1	10/21/2009 14:13	46875

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

**S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit**

0027

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-1B

Lab ID: H2011-02

Project: SOM VOA Analyses

Collection Date: 10/13/09 09:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							SOM1.2_VOA_LOW_S
Dichlorodifluoromethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Chloromethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Vinyl chloride	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Bromomethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Chloroethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Trichlorofluoromethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,1-Dichloroethene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Acetone	ND		10	µg/Kg	1	10/21/2009 14:42	46875
Carbon disulfide	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Methyl acetate	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Methylene chloride	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
trans-1,2-Dichloroethene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Methyl tert-butyl ether	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,1-Dichloroethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
cis-1,2-Dichloroethene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
2-Butanone	ND		10	µg/Kg	1	10/21/2009 14:42	46875
Bromochloromethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Chloroform	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,1,1-Trichloroethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Cyclohexane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Carbon tetrachloride	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Benzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,2-Dichloroethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,4-Dioxane	ND		100	µg/Kg	1	10/21/2009 14:42	46875
Trichloroethene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Methylcyclohexane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,2-Dichloropropane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Bromodichloromethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
cis-1,3-Dichloropropene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
4-Methyl-2-pentanone	ND		10	µg/Kg	1	10/21/2009 14:42	46875
Toluene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
trans-1,3-Dichloropropene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,1,2-Trichloroethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Tetrachloroethene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
2-Hexanone	ND		10	µg/Kg	1	10/21/2009 14:42	46875
Dibromochloromethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,2-Dibromoethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Chlorobenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

0028

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-1B

Lab ID: H2011-02

Project: SOM VOA Analyses

Collection Date: 10/13/09 09:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Ethylbenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
m,p-Xylene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
o-Xylene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Styrene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Bromoform	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Isopropylbenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,1,2,2-Tetrachloroethane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,3-Dichlorobenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,4-Dichlorobenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,2-Dichlorobenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,2-Dibromo-3-chloropropane	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,2,4-Trichlorobenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
1,2,3-Trichlorobenzene	ND		5.2	µg/Kg	1	10/21/2009 14:42	46875
Surrogate: Vinyl chloride-d3	87.9		68-122	%REC	1	10/21/2009 14:42	46875
Surrogate: Chloroethane-d5	94.9		61-130	%REC	1	10/21/2009 14:42	46875
Surrogate: 1,1-Dichloroethene-d2	92.0		45-132	%REC	1	10/21/2009 14:42	46875
Surrogate: 2-Butanone-d5	80.2		20-182	%REC	1	10/21/2009 14:42	46875
Surrogate: Chloroform-d	85.7		72-123	%REC	1	10/21/2009 14:42	46875
Surrogate: 1,2-Dichloroethane-d4	90.2		79-122	%REC	1	10/21/2009 14:42	46875
Surrogate: Benzene-d6	95.2		80-121	%REC	1	10/21/2009 14:42	46875
Surrogate: 1,2-Dichloropropane-d6	84.8		74-124	%REC	1	10/21/2009 14:42	46875
Surrogate: Toluene-d8	92.0		78-121	%REC	1	10/21/2009 14:42	46875
Surrogate: trans-1,3-Dichloropropene-d4	93.2		72-130	%REC	1	10/21/2009 14:42	46875
Surrogate: 2-Hexanone-d5	85.6		17-184	%REC	1	10/21/2009 14:42	46875
Surrogate: 1,4-Dioxane-d8	75.4		50-150	%REC	1	10/21/2009 14:42	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	93.0		56-161	%REC	1	10/21/2009 14:42	46875
Surrogate: 1,2-Dichlorobenzene-d4	88.8		70-131	%REC	1	10/21/2009 14:42	46875

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

DF - Dilution Factor

RL - Reporting Limit

0029

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-2A

Lab ID: H2011-03

Project: SOM VOA Analyses

Collection Date: 10/13/09 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							SOM1.2_VOA_LOW_S
Dichlorodifluoromethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Chloromethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Vinyl chloride	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Bromomethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Chloroethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Trichlorofluoromethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,1-Dichloroethene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Acetone	ND		12	µg/Kg		110/21/2009 15:10	46875
Carbon disulfide	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Methyl acetate	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Methylene chloride	ND		6.0	µg/Kg		110/21/2009 15:10	46875
trans-1,2-Dichloroethene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Methyl tert-butyl ether	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,1-Dichloroethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
cis-1,2-Dichloroethene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
2-Butanone	ND		12	µg/Kg		110/21/2009 15:10	46875
Bromochloromethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Chloroform	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,1,1-Trichloroethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Cyclohexane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Carbon tetrachloride	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Benzene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,2-Dichloroethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,4-Dioxane	ND		120	µg/Kg		110/21/2009 15:10	46875
Trichloroethene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Methylcyclohexane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,2-Dichloropropane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Bromodichloromethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
cis-1,3-Dichloropropene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
4-Methyl-2-pentanone	ND		12	µg/Kg		110/21/2009 15:10	46875
Toluene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
trans-1,3-Dichloropropene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,1,2-Trichloroethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Tetrachloroethene	ND		6.0	µg/Kg		110/21/2009 15:10	46875
2-Hexanone	ND		12	µg/Kg		110/21/2009 15:10	46875
Dibromochloromethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
1,2-Dibromoethane	ND		6.0	µg/Kg		110/21/2009 15:10	46875
Chlorobenzene	ND		6.0	µg/Kg		110/21/2009 15:10	46875

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0030

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-2A

Lab ID: H2011-03

Project: SOM VOA Analyses

Collection Date: 10/13/09 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							SOM1.2_VOA_LOW_S
Ethylbenzene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
m,p-Xylene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
o-Xylene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
Styrene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
Bromoform	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
Isopropylbenzene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
1,1,2,2-Tetrachloroethane	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
1,3-Dichlorobenzene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
1,4-Dichlorobenzene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
1,2-Dichlorobenzene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
1,2-Dibromo-3-chloropropane	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
1,2,4-Trichlorobenzene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
1,2,3-Trichlorobenzene	ND		6.0	µg/Kg	1	10/21/2009 15:10	46875
Surrogate: Vinyl chloride-d3	87.4		68-122	%REC	1	10/21/2009 15:10	46875
Surrogate: Chloroethane-d5	90.8		61-130	%REC	1	10/21/2009 15:10	46875
Surrogate: 1,1-Dichloroethene-d2	80.4		45-132	%REC	1	10/21/2009 15:10	46875
Surrogate: 2-Butanone-d5	91.4		20-182	%REC	1	10/21/2009 15:10	46875
Surrogate: Chloroform-d	87.8		72-123	%REC	1	10/21/2009 15:10	46875
Surrogate: 1,2-Dichloroethane-d4	93.9		79-122	%REC	1	10/21/2009 15:10	46875
Surrogate: Benzene-d6	91.4		80-121	%REC	1	10/21/2009 15:10	46875
Surrogate: 1,2-Dichloropropane-d6	82.7		74-124	%REC	1	10/21/2009 15:10	46875
Surrogate: Toluene-d8	92.2		78-121	%REC	1	10/21/2009 15:10	46875
Surrogate: trans-1,3-Dichloropropene-d4	93.8		72-130	%REC	1	10/21/2009 15:10	46875
Surrogate: 2-Hexanone-d5	97.7		17-184	%REC	1	10/21/2009 15:10	46875
Surrogate: 1,4-Dioxane-d8	93.4		50-150	%REC	1	10/21/2009 15:10	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	98.4		56-161	%REC	1	10/21/2009 15:10	46875
Surrogate: 1,2-Dichlorobenzene-d4	89.6		70-131	%REC	1	10/21/2009 15:10	46875

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0031

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-2B

Lab ID: H2011-04

Project: SOM VOA Analyses

Collection Date: 10/13/09 10:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Dichlorodifluoromethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Chloromethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Vinyl chloride	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Bromomethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Chloroethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Trichlorofluoromethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,1-Dichloroethene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Acetone	ND		9.3	µg/Kg	1	10/21/2009 15:38	46875
Carbon disulfide	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Methyl acetate	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Methylene chloride	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
trans-1,2-Dichloroethene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Methyl tert-butyl ether	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,1-Dichloroethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
cis-1,2-Dichloroethene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
2-Butanone	ND		9.3	µg/Kg	1	10/21/2009 15:38	46875
Bromochloromethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Chloroform	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,1,1-Trichloroethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Cyclohexane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Carbon tetrachloride	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Benzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,2-Dichloroethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,4-Dioxane	ND		9.3	µg/Kg	1	10/21/2009 15:38	46875
Trichloroethene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Methylcyclohexane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,2-Dichloropropane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Bromodichloromethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
cis-1,3-Dichloropropene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
4-Methyl-2-pentanone	ND		9.3	µg/Kg	1	10/21/2009 15:38	46875
Toluene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
trans-1,3-Dichloropropene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,1,2-Trichloroethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Tetrachloroethene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
2-Hexanone	ND		9.3	µg/Kg	1	10/21/2009 15:38	46875
Dibromochloromethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,2-Dibromoethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Chlorobenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0032

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-2B

Lab ID: H2011-04

Project: SOM VOA Analyses

Collection Date: 10/13/09 10:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Ethylbenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
m,p-Xylene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
o-Xylene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Styrene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Bromoform	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Isopropylbenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,1,2,2-Tetrachloroethane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,3-Dichlorobenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,4-Dichlorobenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,2-Dichlorobenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,2-Dibromo-3-chloropropane	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,2,4-Trichlorobenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
1,2,3-Trichlorobenzene	ND		4.6	µg/Kg	1	10/21/2009 15:38	46875
Surrogate: Vinyl chloride-d3	85.4		68-122	%REC	1	10/21/2009 15:38	46875
Surrogate: Chloroethane-d5	87.5		61-130	%REC	1	10/21/2009 15:38	46875
Surrogate: 1,1-Dichloroethene-d2	83.1		45-132	%REC	1	10/21/2009 15:38	46875
Surrogate: 2-Butanone-d5	84.8		20-182	%REC	1	10/21/2009 15:38	46875
Surrogate: Chloroform-d	87.9		72-123	%REC	1	10/21/2009 15:38	46875
Surrogate: 1,2-Dichloroethane-d4	91.2		79-122	%REC	1	10/21/2009 15:38	46875
Surrogate: Benzene-d6	94.1		80-121	%REC	1	10/21/2009 15:38	46875
Surrogate: 1,2-Dichloropropane-d6	84.2		74-124	%REC	1	10/21/2009 15:38	46875
Surrogate: Toluene-d8	93.3		78-121	%REC	1	10/21/2009 15:38	46875
Surrogate: trans-1,3-Dichloropropene-d4	91.1		72-130	%REC	1	10/21/2009 15:38	46875
Surrogate: 2-Hexanone-d5	91.9		17-184	%REC	1	10/21/2009 15:38	46875
Surrogate: 1,4-Dioxane-d8	86.2		50-150	%REC	1	10/21/2009 15:38	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	90.3		56-161	%REC	1	10/21/2009 15:38	46875
Surrogate: 1,2-Dichlorobenzene-d4	88.6		70-131	%REC	1	10/21/2009 15:38	46875

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0033

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-3A

Lab ID: H2011-05

Project: SOM VOA Analyses

Collection Date: 10/13/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							SOM1.2_VOA_LOW_S
Dichlorodifluoromethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Chloromethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Vinyl chloride	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Bromomethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Chloroethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Trichlorofluoromethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,1-Dichloroethene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Acetone	ND		9.7	µg/Kg	1	10/21/2009 16:07	46875
Carbon disulfide	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Methyl acetate	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Methylene chloride	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
trans-1,2-Dichloroethene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Methyl tert-butyl ether	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,1-Dichloroethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
cis-1,2-Dichloroethene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
2-Butanone	ND		9.7	µg/Kg	1	10/21/2009 16:07	46875
Bromochloromethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Chloroform	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,1,1-Trichloroethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Cyclohexane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Carbon tetrachloride	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Benzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,2-Dichloroethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,4-Dioxane	ND		97	µg/Kg	1	10/21/2009 16:07	46875
Trichloroethene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Methylcyclohexane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,2-Dichloropropane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Bromodichloromethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
cis-1,3-Dichloropropene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
4-Methyl-2-pentanone	ND		9.7	µg/Kg	1	10/21/2009 16:07	46875
Toluene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
trans-1,3-Dichloropropene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,1,2-Trichloroethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Tetrachloroethene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
2-Hexanone	ND		9.7	µg/Kg	1	10/21/2009 16:07	46875
Dibromochloromethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,2-Dibromoethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Chlorobenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

0034

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-3A

Lab ID: H2011-05

Project: SOM VOA Analyses

Collection Date: 10/13/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Ethylbenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
m,p-Xylene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
o-Xylene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Styrene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Bromoform	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Isopropylbenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,1,2,2-Tetrachloroethane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,3-Dichlorobenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,4-Dichlorobenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,2-Dichlorobenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,2-Dibromo-3-chloropropane	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,2,4-Trichlorobenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
1,2,3-Trichlorobenzene	ND		4.9	µg/Kg	1	10/21/2009 16:07	46875
Surrogate: Vinyl chloride-d3	82.6		68-122	%REC	1	10/21/2009 16:07	46875
Surrogate: Chloroethane-d5	88.2		61-130	%REC	1	10/21/2009 16:07	46875
Surrogate: 1,1-Dichloroethene-d2	83.1		45-132	%REC	1	10/21/2009 16:07	46875
Surrogate: 2-Butanone-d5	84.9		20-182	%REC	1	10/21/2009 16:07	46875
Surrogate: Chloroform-d	88.7		72-123	%REC	1	10/21/2009 16:07	46875
Surrogate: 1,2-Dichloroethane-d4	95.0		79-122	%REC	1	10/21/2009 16:07	46875
Surrogate: Benzene-d6	90.9		80-121	%REC	1	10/21/2009 16:07	46875
Surrogate: 1,2-Dichloropropane-d6	80.7		74-124	%REC	1	10/21/2009 16:07	46875
Surrogate: Toluene-d8	90.0		78-121	%REC	1	10/21/2009 16:07	46875
Surrogate: trans-1,3-Dichloropropene-d4	88.5		72-130	%REC	1	10/21/2009 16:07	46875
Surrogate: 2-Hexanone-d5	88.0		17-184	%REC	1	10/21/2009 16:07	46875
Surrogate: 1,4-Dioxane-d8	93.1		50-150	%REC	1	10/21/2009 16:07	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	90.8		56-161	%REC	1	10/21/2009 16:07	46875
Surrogate: 1,2-Dichlorobenzene-d4	90.5		70-131	%REC	1	10/21/2009 16:07	46875

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0035

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-3B

Lab ID: H2011-06

Project: SOM VOA Analyses

Collection Date: 10/13/09 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Dichlorodifluoromethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Chloromethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Vinyl chloride	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Bromomethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Chloroethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Trichlorofluoromethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,1-Dichloroethene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Acetone	ND		11	µg/Kg	1	10/21/2009 16:35	46875
Carbon disulfide	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Methyl acetate	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Methylene chloride	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
trans-1,2-Dichloroethene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Methyl tert-butyl ether	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,1-Dichloroethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
cis-1,2-Dichloroethene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
2-Butanone	ND		11	µg/Kg	1	10/21/2009 16:35	46875
Bromochloromethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Chloroform	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,1,1-Trichloroethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Cyclohexane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Carbon tetrachloride	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Benzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,2-Dichloroethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,4-Dioxane	ND		110	µg/Kg	1	10/21/2009 16:35	46875
Trichloroethene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Methylcyclohexane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,2-Dichloropropane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Bromodichloromethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
cis-1,3-Dichloropropene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
4-Methyl-2-pentanone	ND		11	µg/Kg	1	10/21/2009 16:35	46875
Toluene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
trans-1,3-Dichloropropene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,1,2-Trichloroethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Tetrachloroethene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
2-Hexanone	ND		11	µg/Kg	1	10/21/2009 16:35	46875
Dibromochloromethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,2-Dibromoethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Chlorobenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0036

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-3B

Lab ID: H2011-06

Project: SOM VOA Analyses

Collection Date: 10/13/09 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Ethylbenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
m,p-Xylene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
o-Xylene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Styrene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Bromoform	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Isopropylbenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,1,2,2-Tetrachloroethane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,3-Dichlorobenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,4-Dichlorobenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,2-Dichlorobenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,2-Dibromo-3-chloropropane	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,2,4-Trichlorobenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
1,2,3-Trichlorobenzene	ND		5.4	µg/Kg	1	10/21/2009 16:35	46875
Surrogate: Vinyl chloride-d3	84.3		68-122	%REC	1	10/21/2009 16:35	46875
Surrogate: Chloroethane-d5	87.8		61-130	%REC	1	10/21/2009 16:35	46875
Surrogate: 1,1-Dichloroethene-d2	84.7		45-132	%REC	1	10/21/2009 16:35	46875
Surrogate: 2-Butanone-d5	87.3		20-182	%REC	1	10/21/2009 16:35	46875
Surrogate: Chloroform-d	89.4		72-123	%REC	1	10/21/2009 16:35	46875
Surrogate: 1,2-Dichloroethane-d4	92.6		79-122	%REC	1	10/21/2009 16:35	46875
Surrogate: Benzene-d6	89.0		80-121	%REC	1	10/21/2009 16:35	46875
Surrogate: 1,2-Dichloropropane-d6	79.3		74-124	%REC	1	10/21/2009 16:35	46875
Surrogate: Toluene-d8	88.7		78-121	%REC	1	10/21/2009 16:35	46875
Surrogate: trans-1,3-Dichloropropene-d4	86.7		72-130	%REC	1	10/21/2009 16:35	46875
Surrogate: 2-Hexanone-d5	87.2		17-184	%REC	1	10/21/2009 16:35	46875
Surrogate: 1,4-Dioxane-d8	85.1		50-150	%REC	1	10/21/2009 16:35	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	89.0		56-161	%REC	1	10/21/2009 16:35	46875
Surrogate: 1,2-Dichlorobenzene-d4	90.5		70-131	%REC	1	10/21/2009 16:35	46875

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0037

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-4B

Lab ID: H2011-07

Project: SOM VOA Analyses

Collection Date: 10/13/09 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Dichlorodifluoromethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Chloromethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Vinyl chloride	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Bromomethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Chloroethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Trichlorofluoromethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,1-Dichloroethene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Acetone	ND		10	µg/Kg	1	10/21/2009 17:03	46875
Carbon disulfide	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Methyl acetate	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Methylene chloride	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
trans-1,2-Dichloroethene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Methyl tert-butyl ether	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,1-Dichloroethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
cis-1,2-Dichloroethene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
2-Butanone	ND		10	µg/Kg	1	10/21/2009 17:03	46875
Bromochloromethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Chloroform	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,1,1-Trichloroethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Cyclohexane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Carbon tetrachloride	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Benzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,2-Dichloroethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,4-Dioxane	ND		100	µg/Kg	1	10/21/2009 17:03	46875
Trichloroethene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Methylcyclohexane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,2-Dichloropropane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Bromodichloromethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
cis-1,3-Dichloropropene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
4-Methyl-2-pentanone	ND		10	µg/Kg	1	10/21/2009 17:03	46875
Toluene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
trans-1,3-Dichloropropene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,1,2-Trichloroethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Tetrachloroethene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
2-Hexanone	ND		10	µg/Kg	1	10/21/2009 17:03	46875
Dibromochloromethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,2-Dibromoethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Chlorobenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0038

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-4B

Lab ID: H2011-07

Project: SOM VOA Analyses

Collection Date: 10/13/09 12:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Ethylbenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
m,p-Xylene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
o-Xylene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Styrene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Bromoform	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Isopropylbenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,1,2,2-Tetrachloroethane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,3-Dichlorobenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,4-Dichlorobenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,2-Dichlorobenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,2-Dibromo-3-chloropropane	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,2,4-Trichlorobenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
1,2,3-Trichlorobenzene	ND		5.1	µg/Kg	1	10/21/2009 17:03	46875
Surrogate: Vinyl chloride-d3	81.3		68-122	%REC	1	10/21/2009 17:03	46875
Surrogate: Chloroethane-d5	86.6		61-130	%REC	1	10/21/2009 17:03	46875
Surrogate: 1,1-Dichloroethene-d2	80.9		45-132	%REC	1	10/21/2009 17:03	46875
Surrogate: 2-Butanone-d5	90.9		20-182	%REC	1	10/21/2009 17:03	46875
Surrogate: Chloroform-d	87.4		72-123	%REC	1	10/21/2009 17:03	46875
Surrogate: 1,2-Dichloroethane-d4	97.1		79-122	%REC	1	10/21/2009 17:03	46875
Surrogate: Benzene-d6	91.5		80-121	%REC	1	10/21/2009 17:03	46875
Surrogate: 1,2-Dichloropropane-d6	83.7		74-124	%REC	1	10/21/2009 17:03	46875
Surrogate: Toluene-d8	90.7		78-121	%REC	1	10/21/2009 17:03	46875
Surrogate: trans-1,3-Dichloropropene-d4	91.8		72-130	%REC	1	10/21/2009 17:03	46875
Surrogate: 2-Hexanone-d5	95.4		17-184	%REC	1	10/21/2009 17:03	46875
Surrogate: 1,4-Dioxane-d8	89.4		50-150	%REC	1	10/21/2009 17:03	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	97.0		56-161	%REC	1	10/21/2009 17:03	46875
Surrogate: 1,2-Dichlorobenzene-d4	88.8		70-131	%REC	1	10/21/2009 17:03	46875

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0039

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-5A

Lab ID: H2011-08

Project: SOM VOA Analyses

Collection Date: 10/13/09 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Dichlorodifluoromethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Chloromethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Vinyl chloride	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Bromomethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Chloroethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Trichlorofluoromethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,1-Dichloroethene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Acetone	ND		9.3	µg/Kg	1	10/21/2009 17:32	46875
Carbon disulfide	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Methyl acetate	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Methylene chloride	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
trans-1,2-Dichloroethene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Methyl tert-butyl ether	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,1-Dichloroethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
cis-1,2-Dichloroethene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
2-Butanone	ND		9.3	µg/Kg	1	10/21/2009 17:32	46875
Bromochloromethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Chloroform	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,1,1-Trichloroethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Cyclohexane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Carbon tetrachloride	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Benzene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,2-Dichloroethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,4-Dioxane	ND		93	µg/Kg	1	10/21/2009 17:32	46875
Trichloroethene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Methylcyclohexane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,2-Dichloropropane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Bromodichloromethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
cis-1,3-Dichloropropene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
4-Methyl-2-pentanone	ND		9.3	µg/Kg	1	10/21/2009 17:32	46875
Toluene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
trans-1,3-Dichloropropene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,1,2-Trichloroethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Tetrachloroethene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
2-Hexanone	ND		9.3	µg/Kg	1	10/21/2009 17:32	46875
Dibromochloromethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
1,2-Dibromoethane	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875
Chlorobenzene	ND		4.7	µg/Kg	1	10/21/2009 17:32	46875

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

0040

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-5A

Lab ID: H2011-08

Project: SOM VOA Analyses

Collection Date: 10/13/09 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							
Ethylbenzene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
m,p-Xylene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
o-Xylene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
Styrene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
Bromoform	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
Isopropylbenzene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
1,1,2,2-Tetrachloroethane	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
1,3-Dichlorobenzene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
1,4-Dichlorobenzene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
1,2-Dichlorobenzene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
1,2-Dibromo-3-chloropropane	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
1,2,4-Trichlorobenzene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
1,2,3-Trichlorobenzene	ND		4.7	µg/Kg		1 10/21/2009 17:32	46875
Surrogate: Vinyl chloride-d3	83.4		68-122	%REC		1 10/21/2009 17:32	46875
Surrogate: Chloroethane-d5	92.2		61-130	%REC		1 10/21/2009 17:32	46875
Surrogate: 1,1-Dichloroethene-d2	85.3		45-132	%REC		1 10/21/2009 17:32	46875
Surrogate: 2-Butanone-d5	91.7		20-182	%REC		1 10/21/2009 17:32	46875
Surrogate: Chloroform-d	94.4		72-123	%REC		1 10/21/2009 17:32	46875
Surrogate: 1,2-Dichloroethane-d4	103		79-122	%REC		1 10/21/2009 17:32	46875
Surrogate: Benzene-d6	102		80-121	%REC		1 10/21/2009 17:32	46875
Surrogate: 1,2-Dichloropropane-d6	94.9		74-124	%REC		1 10/21/2009 17:32	46875
Surrogate: Toluene-d8	97.9		78-121	%REC		1 10/21/2009 17:32	46875
Surrogate: trans-1,3-Dichloropropene-d4	100		72-130	%REC		1 10/21/2009 17:32	46875
Surrogate: 2-Hexanone-d5	92.0		17-184	%REC		1 10/21/2009 17:32	46875
Surrogate: 1,4-Dioxane-d8	107		50-150	%REC		1 10/21/2009 17:32	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	107		56-161	%REC		1 10/21/2009 17:32	46875
Surrogate: 1,2-Dichlorobenzene-d4	88.3		70-131	%REC		1 10/21/2009 17:32	46875

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0041

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-5B

Lab ID: H2011-09

Project: SOM VOA Analyses

Collection Date: 10/13/09 14:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							SOM1.2_VOA_LOW_S
Dichlorodifluoromethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Chloromethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Vinyl chloride	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Bromomethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Chloroethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Trichlorofluoromethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,1-Dichloroethene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Acetone	ND		9.4	µg/Kg	1	10/21/2009 18:00	46875
Carbon disulfide	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Methyl acetate	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Methylene chloride	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
trans-1,2-Dichloroethene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Methyl tert-butyl ether	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,1-Dichloroethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
cis-1,2-Dichloroethene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
2-Butanone	ND		9.4	µg/Kg	1	10/21/2009 18:00	46875
Bromochloromethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Chloroform	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,1,1-Trichloroethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Cyclohexane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Carbon tetrachloride	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Benzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,2-Dichloroethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,4-Dioxane	ND		94	µg/Kg	1	10/21/2009 18:00	46875
Trichloroethene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Methylcyclohexane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,2-Dichloropropane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Bromodichloromethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
cis-1,3-Dichloropropene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
4-Methyl-2-pentanone	ND		9.4	µg/Kg	1	10/21/2009 18:00	46875
Toluene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
trans-1,3-Dichloropropene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,1,2-Trichloroethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Tetrachloroethene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
2-Hexanone	ND		9.4	µg/Kg	1	10/21/2009 18:00	46875
Dibromochloromethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,2-Dibromoethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Chlorobenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0042

Mitkem Laboratories

Date: 23-Oct-09

Client: GaiaTech, Inc.

Client Sample ID: SB-5B

Lab ID: H2011-09

Project: SOM VOA Analyses

Collection Date: 10/13/09 14:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)							SOM1.2_VOA_LOW_S
Ethylbenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
m,p-Xylene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
o-Xylene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Styrene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Bromoform	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Isopropylbenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,1,2,2-Tetrachloroethane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,3-Dichlorobenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,4-Dichlorobenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,2-Dichlorobenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,2-Dibromo-3-chloropropane	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,2,4-Trichlorobenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
1,2,3-Trichlorobenzene	ND		4.7	µg/Kg	1	10/21/2009 18:00	46875
Surrogate: Vinyl chloride-d3	82.8		68-122	%REC	1	10/21/2009 18:00	46875
Surrogate: Chloroethane-d5	85.1		61-130	%REC	1	10/21/2009 18:00	46875
Surrogate: 1,1-Dichloroethene-d2	76.4		45-132	%REC	1	10/21/2009 18:00	46875
Surrogate: 2-Butanone-d5	85.3		20-182	%REC	1	10/21/2009 18:00	46875
Surrogate: Chloroform-d	87.8		72-123	%REC	1	10/21/2009 18:00	46875
Surrogate: 1,2-Dichloroethane-d4	91.7		79-122	%REC	1	10/21/2009 18:00	46875
Surrogate: Benzene-d6	90.0		80-121	%REC	1	10/21/2009 18:00	46875
Surrogate: 1,2-Dichloropropane-d6	82.4		74-124	%REC	1	10/21/2009 18:00	46875
Surrogate: Toluene-d8	90.1		78-121	%REC	1	10/21/2009 18:00	46875
Surrogate: trans-1,3-Dichloropropene-d4	91.5		72-130	%REC	1	10/21/2009 18:00	46875
Surrogate: 2-Hexanone-d5	86.9		17-184	%REC	1	10/21/2009 18:00	46875
Surrogate: 1,4-Dioxane-d8	95.9		50-150	%REC	1	10/21/2009 18:00	46875
Surrogate: 1,1,2,2-Tetrachloroethane-d2	94.0		56-161	%REC	1	10/21/2009 18:00	46875
Surrogate: 1,2-Dichlorobenzene-d4	88.1		70-131	%REC	1	10/21/2009 18:00	46875

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

0043

CLIENT: GaiaTech, Inc.
Work Order: H2011
Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_LOW_S
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)

Sample ID: MB-46875	SampType: MBLK	TestCode: SOM1.2_VOA_LOW_S	Prep Date: 10/21/2009	Run ID: V5_091021A	
Client ID: MB-46875	Batch ID: 46875	Units: µg/Kg	Analysis Date: 10/21/2009	SeqNo: 1137996	
Analyte	Result	PQL	SPK value	SPK Ref Val %REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
Dichlorodifluoromethane	ND	5.0			
Chloromethane	ND	5.0			
Vinyl chloride	ND	5.0			
Bromomethane	ND	5.0			
Chloroethane	ND	5.0			
Trichlorofluoromethane	ND	5.0			
1,1-Dichloroethene	ND	5.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0			
Acetone	ND	10			
Carbon disulfide	ND	5.0			
Methyl acetate	ND	5.0			
Methylene chloride	ND	5.0			
trans-1,2-Dichloroethene	ND	5.0			
Methyl tert-butyl ether	ND	5.0			
1,1-Dichloroethane	ND	5.0			
cis-1,2-Dichloroethene	ND	5.0			
2-Butanone	ND	10			
Bromochloromethane	ND	5.0			
Chloroform	ND	5.0			
1,1,1-Trichloroethane	ND	5.0			
Cyclohexane	ND	5.0			
Carbon tetrachloride	ND	5.0			
Benzene	ND	5.0			
1,2-Dichloroethane	ND	5.0			
1,4-Dioxane	ND	100			
Trichloroethene	ND	5.0			
Methylcyclohexane	ND	5.0			
1,2-Dichloropropane	ND	5.0			
Bromodichloromethane	ND	5.0			
cis-1,3-Dichloropropene	ND	5.0			
4-Methyl-2-pentanone	ND	10			
Toluene	ND	5.0			
trans-1,3-Dichloropropene	ND	5.0			
1,2-Trichloroethane	ND	5.0			
Tetrachloroethene	ND	5.0			
Hexanone	ND	10			

Qualifiers: ND - Not Detected at the Reporting Limit

mLIMS-001

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: GaiaTech, Inc.
 Work Order: H2011
 Project: SOM VOA Analyses

ANALYTICAL QC SUMMARY REPORT
SOM1.2_VOA_LOW_S
EPA CLP SOM 1.2 VOC -- SOM 1.2 VOA LOW (Soil)

Sample ID: MB-46875	SampType: MBLK	TestCode: SOM1.2_VOA_LOW_S		Prep Date:	10/21/2009		Run ID:	V5_091021A				
Client ID: MB-46875	Batch ID: 46875	Units: µg/Kg		Analysis Date:	10/21/2009		SeqNo:	1137996				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane		ND	5.0									
1,2-Dibromoethane		ND	5.0									
Chlorobenzene		ND	5.0									
Ethylbenzene		ND	5.0									
m,p-Xylene		ND	5.0									
o-Xylene		ND	5.0									
Styrene		ND	5.0									
Bromoform		ND	5.0									
Isopropylbenzene		ND	5.0									
1,1,2,2-Tetrachloroethane		ND	5.0									
1,3-Dichlorobenzene		ND	5.0									
1,4-Dichlorobenzene		ND	5.0									
1,2-Dichlorobenzene		ND	5.0									
1,2-Dibromo-3-chloropropane		ND	5.0									
1,2,4-Trichlorobenzene		ND	5.0									
1,2,3-Trichlorobenzene		ND	5.0									
Surrogate: Vinyl chloride-d3	46.87	5.0	50.00	0	93.7	68	122	0				
Surrogate: Chloroethane-d5	53.67	5.0	50.00	0	107	61	130	0				
Surrogate: 1,1-Dichloroethene-d2	48.78	5.0	50.00	0	97.6	45	132	0				
Surrogate: 2-Butanone-d5	111.2	10	100.0	0	111	20	182	0				
Surrogate: Chloroform-d	53.87	5.0	50.00	0	108	72	123	0				
Surrogate: 1,2-Dichloroethane-d4	58.39	5.0	50.00	0	117	79	122	0				
Surrogate: Benzene-d6	52.70	5.0	50.00	0	105	80	121	0				
Surrogate: 1,2-Dichloropropane-d6	49.38	5.0	50.00	0	98.8	74	124	0				
Surrogate: Toluene-d8	51.94	5.0	50.00	0	104	78	121	0				
Surrogate: trans-1,3-Dichloropropene-d4	56.40	5.0	50.00	0	113	72	130	0				
Surrogate: 2-Hexanone-d5	116.3	10	100.0	0	116	17	184	0				
Surrogate: 1,4-Dioxane-d8	1170	100	1000	0	117	50	150	0				
Surrogate: 1,1,2,2-Tetrachloroethane-d2	59.47	5.0	50.00	0	119	56	161	0				
Surrogate: 1,2-Dichlorobenzene-d4	52.58	5.0	50.00	0	105	70	131	0				

0045

Qualifiers:

ND - Not Detected at the Reporting Limit

mLIMS-001

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

WorkOrder: H2011

101609289 19:04

Mitkem Laboratories

Client ID: GAIA
Project: SOM VOA Analyses
Location: ATLAS

Case:
SDG:
PO: 72844700

HC Due: 11/05/09 **Report Level:** LEVEL 2
Fax Due: **EDD:** CLF

Comments: Encores will be provided at \$7.50 per Encore. MS/MSD is billable to unit prices.

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HS	HT	MS	SEL	Storage
H2011-01A	SB-1A	10/13/2009 09:00	10/14/2009	Soil	PMoist	/					A1
H2011-01B	SB-1A	10/13/2009 09:00	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-01C	SB-1A	10/13/2009 09:00	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-02A	SB-1B	10/13/2009 09:10	10/14/2009	Soil	PMoist	/					A1
H2011-02B	SB-1B	10/13/2009 09:10	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-02C	SB-1B	10/13/2009 09:10	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-03A	SB-2A	10/13/2009 10:00	10/14/2009	Soil	PMoist	/					A1
H2011-03B	SB-2A	10/13/2009 10:00	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-03C	SB-2A	10/13/2009 10:00	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-04A	SB-2B	10/13/2009 10:10	10/14/2009	Soil	PMoist	/					A1
H2011-04B	SB-2B	10/13/2009 10:10	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-04C	SB-2B	10/13/2009 10:10	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-05A	SB-3A	10/13/2009 11:00	10/14/2009	Soil	PMoist	/					A1
H2011-05B	SB-3A	10/13/2009 11:00	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-05C	SB-3A	10/13/2009 11:00	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-06A	SB-3B	10/13/2009 11:10	10/14/2009	Soil	PMoist	/					A1
H2011-06B	SB-3B	10/13/2009 11:10	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-06C	SB-3B	10/13/2009 11:10	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA

HS = Sample logged in but all tests have been placed on hold

HT = Sample/Test logged in but test has been placed on hold

Lab Client Rep: Agnes R Ng

Page 01 of 02

WorkOrder: H2011**101609289 19:04****Mitkem Laboratories**

Client ID: GAIA
Project: SOM VOA Analyses
Location: ATLAS

Case:
SDG:
PO: 72844700

HC Due: 11/05/09 **Report Level:** LEVEL 2
Fax Due: **EDD:** CLF

Comments: Encores will be provided at \$7.50 per Encore. MS/MSD is billable to unit prices.

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HS	HT	MS	SEL	Storage
H2011-07A	SB-4B	10/13/2009 12:10	10/14/2009	Soil	PMoist	/					A1
H2011-07B	SB-4B	10/13/2009 12:10	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-07C	SB-4B	10/13/2009 12:10	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-08A	SB-5A	10/13/2009 14:00	10/14/2009	Soil	PMoist	/					A1
H2011-08B	SB-5A	10/13/2009 14:00	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-08C	SB-5A	10/13/2009 14:00	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-09A	SB-5B	10/13/2009 14:10	10/14/2009	Soil	PMoist	/					A1
H2011-09B	SB-5B	10/13/2009 14:10	10/14/2009	Soil	SOM1.2_VOA_LOW_S	/					VOA
H2011-09C	SB-5B	10/13/2009 14:10	10/14/2009	Soil	SOM1.2_VOA_MED_S	/			Y	Y	VOA
H2011-10A	MW-1	10/13/2009 10:00	10/14/2009	Aqueous	SOM1.2_VOA_TRACE_W	/					VOA
H2011-11A	GW-1	10/13/2009 10:30	10/14/2009	Aqueous	SOM1.2_VOA_TRACE_W	/					VOA
H2011-12A	GW-2	10/13/2009 11:30	10/14/2009	Aqueous	SOM1.2_VOA_TRACE_W	/					VOA
H2011-13A	MW-2	10/13/2009 13:30	10/14/2009	Aqueous	SOM1.2_VOA_TRACE_W	/					VOA
H2011-14A	GW-4	10/13/2009 15:00	10/14/2009	Aqueous	SOM1.2_VOA_TRACE_W	/					VOA
H2011-15A	GW-5	10/13/2009 16:00	10/14/2009	Aqueous	SOM1.2_VOA_TRACE_W	/			Y		VOA
H2011-16A	TRIP BLANK	10/13/2009 00:00	10/14/2009	Aqueous	SOM1.2_VOA_TRACE_W	/					VOA
H2011-17A	MW-3	10/14/2009 12:00	10/15/2009	Aqueous	SOM1.2_VOA_TRACE_W	/					VOA

0047

HS = Sample logged in but all tests have been placed on hold

HT = Sample/Test logged in but test has been placed on hold



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

TAT- Indicate Date Needed: _____

- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: GAIATech
200 N LASALLE #2600
Chicago 60601
312-541-4200 x278

Invoice To: SAMS

Project No.: 7284

Project Mgr.: DAVE LEWIS

P.O. No.: _____ RQN: _____

Site Name: ATLCS

Location: ELKHART State: IN

Sampler(s): D. Lewis

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8=NaHSO₄ 9= _____ 10= _____ 11= _____

List preservative code below:

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

QA/QC Reporting Level

- Level I Level II
 Level III Level IV
 Other _____

State specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses:	QA/QC Reporting Level
H2011-01	SB-1A	10-13-09	0900	G	SO	1	1	3	X	X	<input type="checkbox"/> Level I <input type="checkbox"/> Level II
02	SB-1B	10-13-09	0910	↓	↓	1	1	3	X	X	<input type="checkbox"/> Level III <input type="checkbox"/> Level IV
03	SB-2A	10-13-09	1000	↓	↓	1	1	3	X	X	<input type="checkbox"/> Other _____
04	SB-2B	10-13-09	1010	↓	↓	1	1	3	X	X	
05	SB-3A	10-13-09	1100	↓	↓	1	1	3	X	X	
06	SB-3B	10-13-09	1110	↓	↓	1	1	3	X	X	
07	SB-4B	10-13-09	1210	↓	↓	1	1	3	X	X	
08	SB-5A	10-13-09	1400	↓	↓	1	1	3	X	X	Limited VOL%M,
09	SB-5B	10-13-09	1410	↓	↓	1	1	3	X	X	

E-mail to DLEWIS@GAIATech.com

EDD Format _____

Condition upon receipt: Iced Ambient 6°C 2

Relinquished by:	Received by:	Date:	Time:
<u>Dave Lewis</u>	<u>FEO Ex# 810150725621</u>	10-13	1800
	<u>Agus R. Hunting</u>	10/14/09	3:50



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- TAT- Indicate Date Needed: _____
 - All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 - Samples disposed of after 60 days unless otherwise instructed.

Report To: GAIa Tech
200 N. LASALLE #2600
Chicago 60601
312-541-4200 x278

Invoice To: Saite

Project No.: 7284
 Site Name: ATLAS
 Location: EIKHART State: IN
 Sampler(s): DAVE LEWIS

Project Mgr.: DAVE LEWIS

P.O. No.: _____ RQN: _____

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8= NaHSO₄ 9= _____ 10= _____ 11= _____

List preservative code below:

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Matrix	Type	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers:		Analyses:		QA/QC Reporting Level
										X	VOC	X	X	
10	MW-1	10-13-09	1000	G	GW	2				X				
11	GW-1		1030	G	GW	2				X				
12	GW-2		1130	G	GW	2				X				
13	MW-2		1330	G	GW	2				X				
14	GW-4		1500	G	GW	2				X				
15	GW-5		1600	G	GW	2				X				
	MW-3		1700	G	GW	2				X				USE for MS/MSD
16	TRIP Blank	1	-	G	GW	3				X				Will collect 10-14

E-mail to DALEWIS@GAIATECH.COM
 EDD Format _____

Relinquished by: Dave Lewis Received by: FBI Lab # 81015Q725621 Date: 10-13 Time: 1800
Laura Hunting Date: 10/14/09 Time: 8:50

Condition upon receipt: Iced Ambient C 2



CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

TAT- Indicate Date Needed: _____

- All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
 - Samples disposed of after 60 days unless otherwise instructed.

Report To: GAIA Tech
200 N. LASALLE #2600
Chicago 60601
312-541-4200 x 278

Invoice To: Same

Project No.: 7284
Site Name: ATLAS
Location: EIKHARD State: IN
Sampler(s): Dave Lewis

Project Mgr.: Dave Lewis

P.O. No.: _____ RQN: _____

List preservative code below

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

2 Notes:

QA/QC Reporting Level

State specific reporting standards:

Site Information						
Location:				Address:		
Lab Id:		Sample Id:	Date:	Time:	Type	
		MW-3	10-14-09	1200	G	
					Matrix	# of VOA VI
					6W	3
					# of Amber GI	
					# of Clear GI	
					# of Plastic	
					X	VOC
<input type="checkbox"/> Level A <input type="checkbox"/> Level B <input type="checkbox"/> Other _____						
State specific reporting standards: _____						

E-mail to DLEWIS@GATECH.COM

EDD Format

Relinquished by:

Received by

Date: _____ Time: _____

Condition upon receipt: Iced Ambient 3°C

卷之三

8/0150725573

Date: 10/14/09 Time: 1300

10115105 855

MITKEM LABORATORIES
Sample Condition Form

Page 1 of 1

See Sample Condition Notification/Corrective Action Form yes no

Rad OK yes/ no

8054

MITKEM LABORATORIES
Sample Condition Form

Page 1 of 1

Received By: <u>A.L.</u>	Reviewed By: <u>M.C.</u>	Date: <u>10/15/09</u>	MITKEM Workorder #: <u>H201</u>		
Client Project: <u>GAIA VOA analysis</u>		Client: <u>GAIA</u>			
1) Cooler Sealed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Preservation (pH)		VOA Matrix	Soil Headspace or Air Bubbles $\geq 1/4"$
		HNO ₃	H ₂ SO ₄		
2) Custody Seal(s)	Present / Absent <input checked="" type="checkbox"/> Coolers / Bottles <input type="checkbox"/> Intact / Broken <input checked="" type="checkbox"/>				
3) Custody Seal Number(s)	<u>N/A</u>				
4) Chain-of-Custody	Present / Absent <input checked="" type="checkbox"/>				
5) Cooler Temperature	<u>5°C</u>				
Coolant Condition	<u>Ice</u>				
6) Airbill(s)	Present / Absent <input checked="" type="checkbox"/>				
Airbill Number(s)	<u>FedEx</u>				
7) Sample Bottles	Intact/Broken/Leaking <input checked="" type="checkbox"/>				
8) Date Received	<u>10/15/09</u>				
9) Time Received	<u>8:55</u>				
Preservative Name/Lot No:		<div style="border: 1px solid black; padding: 5px; width: 100%;"> VOA Matrix Key: US = Unpreserved Soil A = Air UA = Unpreserved Aqu. H = HCl M = MeOH E = Encore N = NaHSO₄ F = Freeze </div>			
See Sample Condition Notification/Corrective Action Form Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Rad OK Yes/ No					

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Last Page of Data Report

0053

ATTACHMENT 2

**March 11, 2015 RPS GaiaTech Summary Letter
Report**

March 11, 2015

Mr. Kenneth J. Smott
President
Atlas Die, LLC
2000 Middlebury Street
Elkhart, Indiana 46516

RE: *Atlas Chem-Milling*
1627 West Lusher Avenue Elkhart, Indiana

Dear Mr. Smott:

GaiaTech Inc., dba as RPS GaiaTech (RPS GaiaTech) has completed a comprehensive review of the Administrative Record (AR) for the Lusher Street Superfund site (the "Site"). The purpose of this review was to identify and evaluate potential sources of trichloroethylene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and other hazardous substances in the vicinity of the Atlas Chem-Milling facility located at 1627 West Lusher Avenue (Atlas). In particular, RPS GaiaTech evaluated whether the information in the AR indicates that Atlas contributed to releases of hazardous substances at the Site.

The AR contained a significant number of documents pertaining to the Site, the nature and extent of the impacts, remedial actions that have been implemented, proposed future investigative and remedial activities as well as a general discussion of potential source areas. The primary documents in the AR that provided the most recent and pertinent information were the Preliminary Investigation Report, Revision 0, for the Lusher Street Groundwater Contamination Site prepared by Weston Solutions, Inc. dated March 16, 2010 (the Weston report), the Final Remedial Investigation (RI) Report for the Lusher Street Groundwater Contamination Site prepared by SulTECH, dated September 2013 (the SulTECH report) and the Record of Decision (ROD) for Interim Action for the Lusher Street Groundwater Contamination Superfund Site prepared by the United States Environmental Protection Agency (USEPA), dated September 2014.

According to the ROD, through 2014, over 100 residential and a smaller number of industrial properties that were historically on private wells were supplied with alternative potable water sources primarily due to elevated levels of TCE in the private well(s). This included the installation of point-of-use filtration and polishing systems at individual delivery points as well as connections to the City of Elkhart municipal water supply. The point-of-use treatment systems and water main extensions and connections were funded by the USEPA and/or the Indiana Department of Environmental Management (IDEM).

The ROD identified the Interim Remedial Action(s) going forward to include the connection of 72 additional properties to the City of Elkhart municipal water supply and the installation of vapor intrusion (VI) mitigation systems at approximately 200 buildings. The VI mitigation systems are anticipated to be sub-slab depressurization (radon-type systems) and crawl space depressurization. The specific mitigation system will be determined during the Remedial Design.

The Weston report presented the results of the investigative activities conducted at multiple individual properties as part of a potential source area identification(s) investigation. The SulTECH report presented the overall findings for investigative activities related to the delineation of the nature and extent of the impacts associated with the Site.

The Weston report suggested that the Atlas property may be contributing chlorinated solvents of interest to groundwater based on the following:

- 1,1,1-TCA was detected in side-gradient groundwater samples at higher concentrations compared to up-gradient groundwater samples.

It is our opinion that the Atlas facility is not contributing 1,1,1-TCA to the groundwater. The rationale and justification for this opinion is presented below.

1. The location(s) of the groundwater monitoring points referenced by Weston are side gradient to the Atlas facility. The monitoring points are not downgradient of the Atlas operations. As a result, Atlas could not be responsible for these impacts. There are two monitoring points downgradient of the Atlas facility (GW-01 and MW-2). 1,1,1-TCA and TCE were not detected in the groundwater from either of these monitoring points.
2. There are three side gradient groundwater monitoring points (on the western side of the property) where groundwater samples were collected. One of these wells is considered an upgradient well. Two of the groundwater monitoring points were temporary monitoring wells (one upgradient and one downgradient of the facility – but both are side gradient and in line with the northerly groundwater flow direction reported by Weston). In the two temporary monitoring wells, the upgradient temporary monitoring well (GW-4) contained 3.5 micrograms per liter (ug/l) of 1,1,1-TCA and the downgradient temporary monitoring well (GW-5) contained 1,1,1-TCA at a concentration of 3.3 ug/l. Based on this data, the 1,1,1-TCA concentration in the temporary wells is higher at the upgradient location than at the downgradient location. While it is acknowledged that the permanent monitoring well installed between the two temporary monitoring wells is slightly above the concentrations observed in the temporary wells (7.2 ug/l), the temporary wells were installed and sampled in the same manner and from the same depths which makes that data directly comparable. For the permanent monitoring well, the construction of the monitoring well was not reported.

Based on the uncertainty associated with the construction of the permanent monitoring well, use of that data from the permanent monitoring well relative to nearby temporary monitoring wells should not be considered. All of these concentrations are well below the USEPA Maximum Contaminant Level (MCL) of 200 ug/l.

3. During the Weston sampling at the Atlas facility, RPS GaiaTech collected split samples. The results of the split sampling confirmed that 1,1,1-TCA concentration in the western upgradient temporary monitoring well (2.6 ug/l) was higher than those observed in the downgradient temporary monitoring well (1.9 ug/l).
4. Weston identified B-D Industries as a likely contributor to the chlorinated solvent plume. B-D Industries is located immediately southwest (across the intersection of 17th Street and Fieldhouse Avenue) of the Atlas property (side gradient (to the west of the Atlas property) as well as upgradient). 1,1,1-TCA concentrations up to 12 ug/l were identified on the B-D property. TCE was also identified on the B-D Industries property at concentrations up to 85 ug/l.
5. The Weston report also identified a downgradient source for the 1,1,1-TCA, the Sturgis Facility located at 1819 South 14th Street. 1,1,1-TCA concentrations at this facility were observed at concentrations up to 2,700 ug/l during the Weston investigation. Weston indicated that the Sturgis facility was likely contributing chlorinated solvents to the groundwater. The Sturgis facility is approximately 1,200 feet north-northwest of the Atlas facility.
6. Based on the 1,1,1-TCA plume maps prepared by SulTECH (Figure 5-6 and Figure 5-10 of the SulTECH RI), the 1,1,1-TCA plume originates from a location south of Fieldhouse Avenue, west of 17th Street and east of 18th Street. This is the location of the B-D Industries facility, which was identified by Weston as a likely contributor to the chlorinated solvent plume. This source area is located immediately southwest of the Atlas property which is hydraulically upgradient and side gradient to the Atlas property. In addition, the chlorinated solvent concentrations detected in this generally upgradient area are higher than those observed on the western portion of the Atlas property. Thus, it appears that the chlorinated solvents from this source area are migrating onto the western portion of the Atlas property.

Based on this information, it is the opinion of RPS GaiaTech that a source of 1,1,1-TCA is not present on the Atlas property and that there have been no historic or ongoing contributions of 1,1,1-TCA to the Lusher Street Groundwater plume from the Atlas facility.

The ROD utilizes the SulTECH RI as the basis for delineation of the areas of impact associated with the impacted groundwater at the Lusher Street site. Review of the figures contained in these reports clearly identified the source of the TCE impacts to be originating from the western portion of an area south of Fieldhouse Avenue, west of 17th Street and east of 18th Street. The Atlas facility is located to the north (upgradient) and east (side gradient) of this source area.

The Weston report also identified TCE in the upgradient groundwater at the Atlas facility at a concentration of 5.1 ug/l. This concentration is slightly above the MCL of 5 ug/l. As indicated previously, this sample was collected from a location upgradient of the Atlas facility. All downgradient groundwater sampling locations contained TCE at concentrations below this level as well as below the MCL. This confirms that the source of the TCE is from an offsite, upgradient location and not attributable to the Atlas facility.

Additionally, Weston identified groundwater containing up to 85 ug/l of TCE at the B-D Industries facility located immediately southwest of the Atlas facility (upgradient as well as side gradient to Atlas). The TCE (as well as the 1,1,1-TCA) detection(s) at the B-D Industries site from the Weston investigation are not included on any of the SulTECH or ROD figures. If these exceedances are incorporated into the SulTECH maps, the source of the TCE plume would be enlarged to encompass the eastern portion (as well as the western portion) of the previously referenced source area (south of Fieldhouse Avenue, west of 17th Street and east of 18th Street). As indicated previously, the Atlas property is outside of this area. The Weston report documented this upgradient source of TCE and 1,1,1-TCA and it is anticipated that the USEPA will recognize this and investigate accordingly.

Based on our review of the AR for the Lusher Street Groundwater Contamination Site, it is the opinion of RPS GaiaTech that Atlas has not contributed to the release of TCE, 1,1,1-TCA or any other hazardous substances at the Site.

RPS GaiaTech appreciates the opportunity to be of service on this project. If you have any questions, please call us in the Chicago Office at 312-541-4200.

Sincerely,

RPS GaiaTech



David Lewis
Senior Environmental Scientist

Technical Review and
Concurrence by:



Steven D. Kline, PE
Senior Vice President